R, D, T and E Programs (R-1) Department of Defense Budget for Fiscal Year 1985

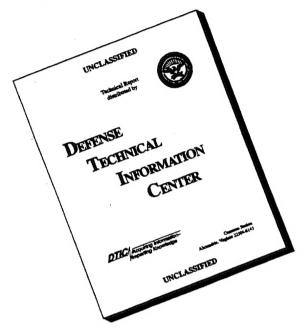
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R, D, T & E PROGRAMS (R-1)



DEPARTMENT OF DEFENSE BUDGET FOR FISCAL YEAR 1985 FEBRUARY 1, 1984

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15. Supplementary Notes			

16. Abstract (Limit: 200 words)

This document provides details of the request for the FY 1985 Research, Development, Test and Evaluation (R,D,T&E) Program of the Department of Defense. It is derived from and is consistant with the DoD Five Year Defense Program R,D,T&E Annex data base.

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R-1

FY 1985

Budget

Test

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Evaluation

R,D,T&E Program

b. Identifiers/Open-Ended Terms

c. COSATI Field/Group

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Preface

The R.D.T.&E. Programs (R-1) exhibit is derived from and consistent with the DoD Five Year Defense Program R.D. T.&E. Annex data base.

transmission by the President of the Budget of the United States Government. It is accompanied by an automated data base submission to the House Committee on Administration for input to the House Information System. An The R-1 is provided annually to the DoD oversight committees of the Congress coincident with the unclassified version is provided to OASD(PA) for use by non-DoD activities.

Office of the Assistant Secretary of Defense Comptroller

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DEPARTMENT OF DEFENSE FY 1985 R D T & E PROGRAM

SUMMARY DATE: 01 FEB 1984

EXHIBIT R-1

1			THØUSANDS ØF DØLLARS	JF DØLLARS
SUMMARY BY APPROPRIATION	FY 1983	FY 1984	F	FY 1986
RESEARCH DEVELOPMENT TEST + EVAL, ARMY	3, 895, 283	4,259,375	4,987,100	5,355,078
RESEARCH DEVELØPMENT TEST +, EVAL, NAVY	6, 100, 131	7,571,718	9,826,076	11,676,119
RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	10,621,181	12,220,706	14,401,955	13,720,719
RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,153,189	2,767,420	4,707,906	7,091,251
DIRECTÓR ÓF TEST + EVALUATIÓN, DEFENSE	55,000	49,000	62,000	72,055
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	22,824,784	26,868,219	33,985,037	37,915,222
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	787,202	839,696	899,844	1,024,507
EXPLORATORY DEVELOPMENT	2,450,853	2,202,489	2,326,919	2,643,750
ADVANCED DEVELOPMENT	3,823,700	5,947,736	7,693,342	11,401,923
ENGINEERING DEVELOPMENT	8,628,421	9, 203, 300	12,010,427	10,761,347
MANAGEMENT AND SUPPORT	2,242,760	2,332,663	2,514,680	2,811,468
RESEARCH AND DEVELÖPMENT (FYDP PRÖGRAM 6)	17,932,936	20, 525, 884	25,445,212	28, 642, 995
ØPERATIØNAL SYSTEMS DEVELØPMENT	4,891,848	6,342,335	8,539,825	9,272,227
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	22,824,784	26, 868, 219	33, 985, 037	37,915,222

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DEPARTMENT OF DEFENSE FY 1985 R D T & E PROGRAM

SUMMARY

EXHIBIT R-1

DATE: 01 FEB 1984

			THOUSANDS	THOUSANDS OF DOLLARS
	FY 1983	FY 1984	FY 1985	FV 1986
SUMMARY RECAP OF BUDGET ACTIVITIES	1 1 1 1 1 1 1	t 1 1 1 1 1		
TECHNOLOGY BASE	3, 238, 055	3,042,185	3,226,250	3,667,205
ADVANCED TECHNÖLÖGY DEVELÖPMENT	822, 525	1,386,195	3,421,028	5,673,076
STRATEGIC PROGRAMS	5,825,208	7,842,682	8, 735, 235	7,968,757
TACTICAL PROGRAMS	7,254,970	7,908,741	10,510,057	11,853,968
INTELLIGENCE AND COMMUNICATIONS	2,708,625	3,404,186	4,215,671	4,605,301
DEFENSEWIDE MISSION SUPPORT	2,975,401	3,284,230	3,876,796	4, 146, 915
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	22, 824, 784	26,868,219	33, 985, 037	37,915,222
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES	774,282	736,033	871,572	848, 333
GENERAL PURPOSE FORCES	1,174,705	1,431,713	2,077,144	2,270,114
INTELLIGENCE AND COMMUNICATIONS	2,911,413	4,091,818	5, 296, 465	5,750,749
AIRLIFTSEALIFT	9,604	11,190	33,116	28,443
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	17,932,936	20,525,884	25, 445, 212	28,642,995
CENTRAL SUPPLY AND MAINTENANCE	16,988	63,858	250, 558	362, 207
TRAINING MEDICAL AND GTHER		2,846	7,208	7,517
SUPPORT OF OTHER NATIONS	4,856	4,877	3,762	4,864
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	22, 824, 784	26,868,219	33,985,037	37,915,222
			PAGE 111	

ARMY

DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

	SUMMARY		DATE: 01	FEB 1984	
			THOUSANDS		
	FY 1983	FY 1984	. FY 1985	FY 1986	
SUMMARY RECAP OF RESEARCH CATEGORIES					
RESEARCH	206,152	217,461	238,808	260,920	
EXPLORATORY DEVELOPMENT	469,016	469, 725	548,926	560, 192	
ADVANCED DEVELOPMENT	1,123,496	1,325,842	1,244,509	1,477,033	
ENGINEERING DEVELOPMENT	699 686	1,035,530	1,410,309	1,380,124	
MANAGEMENT AND SUPPORT	803, 200	830,447	864,589	1,037,595	
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	591	3.879.005	307	4.715.864	
	303,750	380,370	679,959	639,214	
		ι	1 1 1 1 1 1 1 1	1 1 1 1 1 1	
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	3,895,283	4,259,375	4,987,100	5,355,078	
SUMMARY RECAP OF BUDGET ACTIVITIES					
TECHNOLOGY BASE	675.168	687, 186	787, 734	821.112	
ADVANCED TECHNOLOGY DEVELOPMENT	257, 434	317,709	557,338	652,341	
STRATEGIC PROGRAMS	570,976	514,693	227,033	218,448	
TACTICAL PROGRAMS	1,499,672	1,814,104	2, 329, 995	2,346,054	
INTELLIGENCE AND COMMUNICATIONS	75,809	76,913	67,572	75,366	
DEFENSEWIDE MISSION SUPPORT	816, 224	848,770	1,017,428	1,241,757	
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	, 895,	, 259,	4,987,100	5,355,078	
SUMMARY RECAP OF FYDP PROGRAMS		÷			
	51,909	36,239	198,378	147,707	
GENERAL PURPOSE FORCES	195, 199	262,264	298,519	246,544	
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	3, 591, 533	3,879,005	4, 307, 141	4,715,864	
CENTRAL SUPPLY AND MAINTENANCE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1	103,964	156,917	
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	, 895, 28	,259,37	4,987,100	5,355,078	

DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

DATE: 01 FEB 1984

EXHIBIT R-1

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

Interpretation Inte				1	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS OF DOLLARS	F DOLLARS
61101A IN-HOUSE LAB INDEPENDENT RESEARCH 1 21,902 21,925 24,483 62102A MATERIALS 1 10,488 10,807 11,886 62111A ATMOSPHERIC INVESTIGATIONS 1 10,488 10,807 11,886 62111A ATMOSPHERIC INVESTIGATIONS 1 10,488 10,807 11,886 62111A ATMOSPHERIC INVESTIGATIONS 1 6,269 8,351 8,500 62201A ATRORAT WEAPONS EFFECTS/FLUIDICS 1 6,269 8,351 8,000 62202A ATRORAT WEAPONS EFFECTS/FLUIDICS 1 21,050 22,215 27,086 62203A ATRORAT AVIONICS TECHNOLOGY 1 1,521 1,568 1,798 62203A ATRORAT TECHNOLOGY 1 28,273 30,607 31,177 62203A ATRORAT TECHNOLOGY 1 15,772 20,980 22,116 62203A ATRORAT TECHNOLOGY 1 15,772 19,675 62203A ATRORAT SECHNOLOGY 1 15,772 19,725 62203A ATRORAT CAL AND NUCLEAR TECHNOLOGY 1 15,772 19,726 62203A ATRORAT SECHNOLOGY 1 10,079 12,417 16,285 62203A ALLISTICS TECHNOLOGY 1 10,079 12,417 16,285 62203A 12,417 12,417 12,285 62203A 12,417 12,417 12,285 62203A 12,417 12,417 12,285 62203A 12,417	N N			ACT	FY 1983	FY 1984	FY 1985	FY 1986
SECONSTINATION SECONSTINATION 10,486 10,607 11,886 10,807 11,886 10,807 11,886 10,807 11,886 10,807 11,886 10,807 11,886 10,807 11,886 10,807 11,886 10,807 11,886 10,807 11,886 10,807 11,886 10,807 11,886 11,	-	61101A	IN-HÖUSE LAB INDEPENDENT RESEA	., -	21,902	21,862	24,483	25.710 U
62110A ATMOSPHERIC INVESTIGATIONS 1 10,486 10,607 11,896 62110A ATMOSPHERIC INVESTIGATIONS 1 5,031 4,410 4,965 62120A NUCLEAR WEAPONS EFFECTS/FLUIDICS 1 6,269 8,351 8,500 62201A AIRCRAFT WEAPONS TECHNOLGGY 1 6,484 2,832 3,146 62202A AIRCRAFT AVIONICS TECHNOLGGY 1 1,521 1,566 1,796 62203A AIRCRAFT ECHNOLGGY 1 21,050 22,215 27,086 1,796 62203A AIRDREP TECHNOLGGY 1 1,521 1,566 1,796 62203A AIRDREP TECHNOLGGY 1 1,521 1,566 1,796 62203A AIRDREP TECHNOLGGY 1 1,772 20,980 23,051 62203A AIRDREP TECHNOLGGY 1 17,772 20,980 23,051 62203A AIRDREP TECHNOLGGY 1 17,772 20,980 23,051 62203A ARABC CAL AND NUCLEAR TECHNOLGGY 1 17,772 19,675 34,596 47,516 62203A AIRDREP TECHNOLGGY 1 17,772 19,675 20,980 23,051 62203A AIRDREP TECHNOLGGY 1 17,772 19,675 34,596 47,516 62203A AIRDREP TECHNOLGGY 1 10,079 12,417 16,285 62203A AIRDREP TECHNOLGGY 1 10,079 12,417 16,285 62203A AIRDREP TECHNOLGGY 1 10,079 12,417 16,285 62203A AIRDREP TECHNOLGGY 1 17,792 20,980 2,621 2,515 62203A AIRDREP TECHNOLGGY 1 17,792 12,417 16,285 62203A AIRDREP TECHNOLGGY 1 17,792 12,792 12,585 62203A AIRDREP TECHNOLGGY 1 17,793 17,953 20,921 2,915 62203A AIRDREP TECHNOLG DEVICES 1 17,792 12,953 20,921 2,915 62203A AIRDREP TECHNOLG DEVICES 1 17,773 17,793 20,921 2,915 62203A AIRDREP TECHNOLG DEVICES 1 17,773 17,793 20,921 2,915 62203A AIRDREP TECHNOLG DEVICES 1 17,773 17,793 20,921 2,915 62203A AIRDREP TECHNOLG DEVICES 1 17,773 17,793 20,921 2,915 62203A AIRDREP TECHNOLG DEVICES 1 17,773 17,	N	61102A		-	184,250	195, 599	214,325	235.210 U
62111A ATMOSPHERIC INVESTIGATIONS 1 5,031 4,410 4,965 62120A NUCLEAR WEAPONS EFFECTS/FLUIDICS 1 6,484 2,832 3,146 62201A AIRCRAFT WEAPONS TECHNOLOGY 1 6,484 2,832 3,146 62202A AIRCRAFT AVIONICS TECHNOLOGY 1 21,050 22,215 27,086 62203A AIRDROP TECHNOLOGY 1 1,521 1,568 1,798 62203A AIRDROP TECHNOLOGY 1 29,273 30,607 31,177 62303A AIRDROP TECHNOLOGY 1 1,521 1,568 1,798 62303A AIRDROP TECHNOLOGY 1 1,772 20,980 23,051 62303A AIRSE MEAPON TECHNOLOGY 1 17,772 20,980 23,051 62603A ARRE MAD VIRCE RATE TECHNOLOGY 1 1,772 20,980 23,051 62603A ALRGE CAL AND NUCLEAR TECHNOLOGY 1 1,772 20,980 23,051 62603A ALLISTICS TECHNOLOGY 1 1,5772	က	62105A		-	10,488	10,807	11.896	9 88 9
62202A NUCLEAR WEAPONS EFFECTS/FLUIDICS 1 6,269 8,351 8,500 62201A AIRCRAFT WEAPONS TECHNOLOGY 1 6,484 2,832 3,146 62202A AIRCRAFT AVIONICS TECHNOLOGY 1 21,050 22,215 27,086 62203A ARENDAUTICAL TECHNOLOGY 1 1,521 1,568 1,796 62204A AIRDROP TECHNOLOGY 1 29,273 30,607 31,177 62304A AIRDROP TECHNOLOGY 1 1,521 1,569 27,086 62307A LASER WEAPON TECHNOLOGY 1 17,772 20,800 23,051 62601A TANK AND AUTOMOTIVE TECHNOLOGY 1 17,772 20,800 23,051 62601A LASER WEAPON TECHNOLOGY 1 17,772 20,800 23,051 62601A LARGE CAL AND NUCLEAR TECHNOLOGY 1 15,772 20,800 23,051 62601A SMALL CAL AND FIRE ONTH TECHNOLOGY 1 15,772 20,980 23,051 6261A SMALL CAL AND SMOKE MUNITIONS 1 <td>4</td> <td>62111A</td> <td></td> <td>-</td> <td>5,031</td> <td>4,410</td> <td>965</td> <td>8 852 =</td>	4	62111A		-	5,031	4,410	965	8 852 =
6 E2201A AIRCRAFT WEAPONS TECHNOLOGY 1 6,484 2,832 3,146 6 E2202A AIRCRAFT AVIONICS TECHNOLOGY 1 21,050 22,215 27,086 6 E2202A AIRCRAFT AVIONICS TECHNOLOGY 1 21,050 22,215 27,086 6 E2203A AIRDROP TECHNOLOGY 1 1,521 1,568 1,796 6 E2303A AIRDROP TECHNOLOGY 1 29,273 30,607 31,177 6 E2303A AIRSILE TECHNOLOGY 1 17,772 20,980 21,188 6 E2303A LASER WEAPON TECHNOLOGY 1 17,772 20,980 23,051 6 E2603A LARGE CAL AND NUCLEAR TECHNOLOGY 1 17,772 20,980 23,051 6 E2603A LARGE CAL AND FIRE CNTRL TECHNOLOGY 1 15,712 19,675 3,656 6 E2603A LARGE CAL AND SHOKE MUNITIONS 1 25,575 34,596 47,916 6 E2603A ALLISTICS TECHNOLOGY 1 13,675 12,732 12,582 6 E2623A JOINT SERVICE SMALL ARMS PROGRAM (Ю	62120A		-	8,269	8,351	8,500	7.526 11
62202A AIRCRAFT AVIONICS TECHNOLOGY 1 8,353 7,157 8,023 62209A ARERONAUTICAL TECHNOLOGY 1 21,050 22,215 27,086 62209A AIRDROP TECHNOLOGY 1 1,521 1,568 1,779 6230A AISSILE TECHNOLOGY 1 29,273 30,607 31,177 6230A AISSILE TECHNOLOGY 1 41,806 19,649 21,188 6230A LASER WAPPON TECHNOLOGY 1 17,772 20,980 23,051 6260A ARGE CAL AND NUCLEAR TECHNOLOGY 1 17,772 20,980 23,051 6261A SMALL CAL AND FIRE CNTRL TECHNOLOGY 1 17,772 20,980 23,051 6261A SMALL CAL AND FIRE CNTRL TECHNOLOGY 1 25,575 34,596 47,916 6262BA JGINT SERVICE SMALL ARMS PROGRAM (JSSAP) 1 4,522 4,266 4,580 6270A COMMUNICATIONS TECH 1 10,079 12,417 16,285 6270A MIL ENVIRONMENTAL CRITERIA DEV 1	9	62201A		-	6,484	2,832	3,146	3,372 U
62209A AERONAUTICAL TECHNOLOGY 1 21,050 22,215 27,086 62210A AIRDROP TECHNOLOGY 1 1,521 1,568 1,796 62303A MISSILE TECHNOLOGY 1 29,273 30,607 31,177 62307A LASER WEAPON TECHNOLOGY 1 17,772 20,980 21,186 62307A LASGE CAL AND NUCLEAR TECHNOLOGY 1 15,712 19,675 21,186 62603A LARGE CAL AND NUCLEAR TECHNOLOGY 1 15,712 19,675 23,051 62617A SMALL CAL AND FIRE CNTRL TECHNOLOGY 1 25,575 34,596 47,916 62618A BALLISTICS TECHNOLOGY 1 25,575 34,596 47,916 62618A BALLISTICS TECHNOLOGY 1 25,575 34,596 47,916 62618A BALLISTICS TECHNOLOGY 1 10,079 12,417 16,285 6262BA JOINT SERVICE SMALL ARMS PROGRAM (JSSAP) 1 10,079 12,417 16,285 62701A COMMONICATIONS TECH 1	1	62202A	AIRCRAFT AVIONICS TECHNOLOGY	-	8,353	7,157	8,023	8,764 U
62210A AIRDROP TECHNOLOGY 1 1,521 1,568 1,798 6230A MISSILE TECHNOLOGY 1 41,806 19,679 21,188 23,177 6230A LASER WEAPON TECHNOLOGY 1 41,806 19,679 21,188 21,188 6260A LASER WEAPON TECHNOLOGY 1 17,772 20,980 23,051 23,051 6260A LARGE CAL AND NUCLEAR TECHNOLOGY 1 15,712 19,675 20,980 23,051 6261A SMALL CAL AND FIRE CNTRL TECHNOLOGY 1 5,676 9,013 9,161 6261BA BALLISTICS TECHNOLOGY 1 25,575 34,596 47,916 6261BA BALLISTICS TECHNOLOGY 1 13,675 12,732 12,582 6261BA BALLISTICS TECHNOLOGY 1 4,522 4,266 4,520 6262BA JOINT SERVICE SMALL ARMS PROGRAM (JSSAP) 1 10,079 12,417 16,285 6270BA COMBAT SURVEILL TARGET ACQUIS & IDENT 1 1,790 2,621 2,915	Φ	62209A	AERONAUTICAL TECHNOLOGY	-	21,050	22,215	27,086	28,649 U
62303A MISSILE TECHNOLOGY 1 29,273 30,607 31,177 62307A LASER WEAPEN TECHNOLOGY 1 41,806 19,649 21,188 62601A TANK AND AUTÖMOTIVE TECHNOLOGY 1 17,772 20,980 23,051 62603A LARGE CAL AND NUCLEAR TECHNOLOGY 1 15,712 19,675 9,161 62617A SMALL CAL AND FIRE CNTRL TECHNOLOGY 1 25,575 34,596 47,916 62618A BALLISTICS TECHNOLOGY 1 25,575 34,596 47,916 62622A CHEMICAL AND SMOKE MUNITIONS 1 13,675 12,732 12,582 62623A JOINT SERVICE SMALL ARMS PROGRAM (JSSAP) 1 10,079 12,417 16,285 62701A GOMBAT SURVEILL TARGET ACQUIS & IDENT 1 10,079 2,621 2,915 62703A MIL ENVIRONMENTAL CRITERIA DEV 1,790 2,621 2,915 62705A RLECTRICAL AND ELECTRONIC DEVICES 1 17,173 17,173 17,953 20,821	တ	62210A	AIRDRØP TECHNØLØGY	-	1,521	1,568	1,798	2,097 U
62807A LASER WEAPON TECHNOLOGY 1 41,806 19,649 21,188 62601A TANK AND AUTOMOTIVE TECHNOLOGY 1 17,772 20,980 23,051 62603A LARGE CAL AND NUCLEAR TECHNOLOGY 1 15,712 19,675 9,161 62617A SMALL CAL AND FIRE CNTRL TECHNOLOGY 1 25,575 34,596 47,916 62618A BALLISTICS TECHNOLOGY 1 25,575 34,596 47,916 62622A CHEMICAL AND SMOKE MUNITIONS 1 13,675 12,732 12,582 62623A JOINT SERVICE SMALL ARMS PROGRAM (JSSAP) 1 4,522 4,266 4,520 62701A COMMUNICATIONS TECH 1 10,079 12,417 16,285 62701A COMBAT SURVEILL TARGET ACQUIS & IDENT 1 3,823 4,768 62704A MIL ENVIRONMENTAL CRITERIA DEV 1 1,790 2,621 2,915 62705A ELECTRICAL AND ELECTRONIC DEVICES 1 17,173 17,953 20,821	0	62303A	MISSILE TECHNÖLÖGY	-	29, 273	30,607	31,177	34,382 U
62601A TANK AND AUTOMOTIVE TECHNÖLÖGY 1 17,772 20,980 23,051 26,051 26,050 23,051 25,051 26,050 23,051 26,050 23,051 26,050 26,013 26,013 27,013 27,016		62307A	LASER WEAPON TECHNOLOGY	-	41,806	19,649	21,188	22,271 U
62603A LARGE CAL AND NUCLEAR TECHNÖLGGY 1 15,712 19,675 9,161 62617A SMALL CAL AND FIRE CNTRL TECHNÖLGGY 1 9,676 9,013 9,161 62618A BALLISTICS TECHNÖLGGY 1 25,575 34,596 47,916 1 62622A CHEMICAL AND SMÖKE MUNITIÖNS 1 13,675 12,732 12,582 1 62623A JÖINT SERVICE SMALL ARMS PRÖGRAM (JSSAP) 1 4,522 4,266 4,520 62701A CÖMBAT SURVEILL TARGET ACQUIS & IDENT 1 10,079 12,417 16,285 62703A CÖMBAT SURVEILL TARGET ACQUIS & IDENT 1 3,147 3,823 4,768 62703A MIL ENVIRĞINMENTAL CRITERIA DEV 1 1,790 2,621 2,915 62705A ELECTRICAL AND ELECTRÖNIC DEVICES 1 17,173 17,953 20,821 2	N	62601A	TANK AND AUTØMØTIVE TECHNØLØGY	-	17,772	20,980	23,051	23,127 U
62617A SMALL CAL AND FIRE CNTRL TECHNÖLÖGY 1 9,676 9,013 9,161 62618A BALLISTICS TECHNÖLÖGY 1 25,575 34,596 47,916 6262A CHEMICAL AND SMÖKE MUNITIÖNS 1 13,675 12,732 12,582 1 62623A JÖINT SERVICE SMALL ARMS PRÖGRAM (JSSAP) 1 4,522 4,266 4,520 62701A CÖMMUNICATIÖNS TECH 1 10,079 12,417 16,285 62703A CÖMBAT SURVEILL TARGET ACQUIS & IDENT 1 3,147 3,823 4,768 62703A MIL ENVIRĞIMMENTAL CRITERIA DEV 1 1,790 2,621 2,915 62705A ELECTRICAL AND ELECTRÖNIC DEVICES 1 17,173 17,953 20,821	က	62603A	CAL	9~~	15,712	19,675		•
62618A BALLISTICS TECHNÖLÖGY 1 25,575 34,596 47,916 62622A CHEMICAL AND SMÖKE MUNITIÖNS 1 13,675 12,732 12,582 1 62623A JÖINT SERVICE SMALL ARMS PRÖGRAM (JSSAP) 1 4,522 4,266 4,520 62701A CÖMMUNICATIÖNS TECH 1 10,079 12,417 16,285 62703A CÖMBAT SURVEILL TARGET ACQUIS & IDENT 1 3,147 3,823 4,768 62703A MIL ENVIRÖNMENTAL CRITERIA DEV 1 1,790 2,621 2,915 62705A ELECTRICAL AND ELECTRÖNIC DEVICES 1 17,173 17,953 20,821 2	4	62617A	SMALL CAL AND FIRE CNTRL TECHNOLOGY	-	9,676	9,013	9, 161	6.533 U
62622A CHEMICAL AND SMOKE MUNITIONS 1 13,675 12,732 12,582 1 62623A JOINT SERVICE SMALL ARMS PROGRAM (JSSAP) 1 4,522 4,266 4,520 4,520 4,520 6,520 4,520 4,520 6,520 4,520 4,520 6,520 4,520 6,520 4,520 6,520 4,768 6,520 4,768 6,520 4,768 6,520 4,768 6,520 4,768 6,520 6,521 5,621 2,915 5,915 6,521 5,520 5,915 6,521 5,915 6,521 5,531 5,531 5,915 6,521 5,531 <t< td=""><td>5</td><td>62618A</td><td>BALLISTICS TECHNÖLÖGY</td><td>-</td><td>25,575</td><td>34,596</td><td>47,916</td><td>41,558 U</td></t<>	5	62618A	BALLISTICS TECHNÖLÖGY	-	25,575	34,596	47,916	41,558 U
62623A JÖINT SERVICE SMALL ARMS PRÖGRAM (JSSAP) 1 4,522 4,266 4,520 62701A CÖMMUNICATIÖNS TECH 1 10,079 12,417 16,285 2 62703A CÖMBAT SURVEILL TARGET ACQUIS & IDENT 1 3,147 3,823 4,768 62704A MIL ENVIRÖNMENTAL CRITERIA DEV 1 1,790 2,621 2,915 62705A ELECTRICAL AND ELECTRÖNIC DEVICES 1 17,173 17,953 20,821 2	9	62622A	CHEMICAL AND SMOKE MUNITIONS	-	13,675	12,732	12,582	13,643 U
62701A COMMUNICATIONS TECH 1 10,079 12,417 16,285 2 62703A COMBAT SURVEILL TARGET ACQUIS & IDENT 1 3,147 3,823 4,768 62704A MIL ENVIRONMENTAL CRITERIA DEV 1 1,790 2,621 2,915 62705A ELECTRICAL AND ELECTRÓNIC DEVICES 1 17,173 17,953 20,821 2	1	62623A	JÖINT SERVICE SMALL ARMS PRÖGRAM (JSSAP)	-	4,522	4,266	4,520	4,062 U
62703A COMBAT SURVEILL TARGET ACQUIS & IDENT 1 3,147 3,823 4,768 62704A MIL ENVIRONMENTAL CRITERIA DEV 1 1,790 2,621 2,915 62705A ELECTRICAL AND ELECTRONIC DEVICES 1 17,953 20,821	18	62701A	COMMUNICATIONS TECH	-	10,079	12,417	16,285	22,823 U
62704A MIL ENVIRGNMENTAL CRITERIA DEV 1 1,790 2,621 2,915 62705A ELECTRICAL AND ELECTRÖNIC DEVICES 1 17,173 17,953 20,821 2	9	62703A	∞	-	3,147	3,823	4,768	4,398 U
62705A ELECTRICAL AND ELECTRÖNIC DEVICES 1 17,173 17,953 20,821 2	20	62704A	MIL ENVIRONMENTAL CRITERIA DEV	*	1,790	2,621	2,915	3,107 U
	21	62705A	ELECTRICAL AND ELECTRÖNIC DEVICES	-	17,173	17,953	20,821	21,247 U

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DEPARTMENT OF THE ARMY
FY 1985 R D T & E PROGRAM

EXHIBIT R-1

APPR	APPROPRIATION:	2040 A RESEARCH DEVELOPMENT TEST + EVAL,	ARMY			DATE: 01	
					1	THOUSANDS OF DOLLARS	1
L I NE NG	ELEMENT	ITEM NÖMENCLATURE	ACT	FY 1983	FY 1984	FY 1985 FY 19	FY 1986 C
22	62706A	CHEM BIGLØGICAL DEF & GEN INVEST	-	30,150	32,912	33,068	34,239 U
23	62707A	MAPPING - GEÖDESY	-	6, 124	7,369	8,648	9,276 U
24	62709A	NIGHT VISION INVESTIGATIONS	-	12,000	16,213	21,229	22,464 U
22	62715A	TACTICAL ELECTRONIC WARFARE TECHNOLOGY	-	9,882	7,892		
56	62716A	HUMAN FACTORS ENG SYS DEV	-	9,515	9,825	11,468	15,271 U
27	62717A	HUMAN PERFÖRMANCE EFFECT/SIMULATIÖN	-	3,571	3,877	4,776	5, 323 U
28	62719A	MOBILITY AND WEAPONS EFFECTS TECH	-	7,479	8,241	9,217	9,257 U
59	62720A	ENVIRONMENTAL QUALITY TECH	-	7,794	8,060	11,184	8,846 U
30	62722A	MANPGWER/PERSONNEL/TRAINING	-	6,051	6,556	7,913	8,109 U
31	62723A	CLOTHING EQUIP AND SHELTER TECH	-	7,982	6,092	8,605	8,383 U
32	62724A	JT SVC FØØD SYS TECH	-	5,580	5,639	6,013	6,521 U
33	62725A	COMPUTER AND INFORMATION SCIENCE	-	1,961	1,944	2,216	2,255 U
34	62727A	NGNSYSTEMS TRAINING DEVICES TECH (NSTD)	-	2,515	3,365	4,528	5,241 U
33	62730A	COLD REGIONS ENGINEERING TECHNOLOGY	- -	6,243	6,437	7,423	7,647 U
36	62731A	MILITARY FACILITIES ENGINEERING TECHNÖLÖGY	-	4,138	4,127	4,597	4,828 U
37	62733A	MOBILITY EQUIPMENT TECHNOLOGY	-	12,723	10,981	11,807	13,770 U
38	62734A	MED DEFENSE AGAINST CHEM AGENTS	-	23,144	25,510	30,890	30,279 U
39	62746A	TACTICAL ADP TECH	-	6,891	5,898	7,893	9,242 U
40	62770A	MILITARY DISEASE HAZARDS TECH	-	25, 596	24,393	22,120	22,940 U
4	62772A	COMBAT CASUALTY CARE TECH	-	6,729	7,011	8,513	8,707 U
42	62775A	CEMBAT MAXILLEFACIAL INJURY	ę	2,102	2,461	2,249	2,195 U

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DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

EXHIBIT R-1 DATE: 01 FEB 1984 APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

	2000					THOUSANDS OF DOLLARS	
LI NE	ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
<u>გ</u>	62777A	SYSTEMS HEALTH HAZARD PREVENT TECH	-	16,434	17,496	18,491	19,725 U
4	62781A	ENERGY TECH APPL FOR MILITARY FACIL	-	3,016	1,754	2,128	2,242 U
	TECHN	TECHNÖLGGY BASE		675, 168	687,186	787,734	821,112
20	63102A	MATERIALS AND STRUCTURES ADVANCED DEVELOPMENT	Q	8,460	5, 691	9,634	17,544 U
46	63104A	FUELS AND LUBRICANTS ADVANCED DEVELOPMENT	0	1,109	2,037	4,972	5,227 U
47	63201A	AIRCRAFT POWER PLANTS AND PROPULSION	Ø	7,129	14,468	22,728	42,449 U
8	63206A	AIRCRAFT WEAPONS	Ø		5,791	7,924	9,855 U
9	63207A	AIRCRAFT AVIONICS EQUIPMENT	C)	2,606	4,127	30,259	13,162 U
20	63209A	AIR MÖBILITY SUPPORT	a	3,340	7,037	8,202	8,379 U
51	63211A	RÖTARY WING CONTROLS/ROTORS/STRUCTURES	cu.	33,636	30,040	30,295	25,248 U
52	63216A	SYNTHETIC FLIGHT SIMULATORS DEVELOPMENT	8	7,521	12,101	6,093	11,788 U
53	63218A	AIRDROP ADVANCEMENT	·N	1,390	1,996	4,965	8,237 U
54	63220A	ADVANCED RÖTÖRCRAFT TECH INTEGRATIÖN (ARTI)	Ø		1,009		5
22	63221A	NGE AVIATION AND NAVIGATION EQUIPMENT	N	920	1,400	366	3,864 U
26	63306A	TERMINALLY GUIDED PROJECTILES	Ø	6, 795	2,948	10,030	29,387 U
22	63313A	MSL/RØCKET CØMPØNENTS	N	8,640	12,119	30,119	33,037 U
28	63314A	HI-ENERGY LASER COMPONENTS	Q		1,756		5
29	63322A	BATTLEFIELD ENVIRONMENT SIMULATION	Ø			1,477	2,709 U
09	63324A	ARMY DEVEL & EMPLOYMENT ACTIVITY-ADEA	Ø	7,300	34,113	42,517	16,604 U
61	63602A	ADVANCED LAND MOB SYSTEMS CONCEPTS	0	8,461	7,650	22,637	22,800 U
62	63606A	LANDMINE WARFARE/BARRIER DEV	0	8,418	12,004	12,467	10,407 U
			NA NA	UNCLASSIFIED	Δ.	PAGE A-3	

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FY 1985 R D T & E PROGRAM EXHIBIT R-1	MENT TEST + EVAL, ARMY
	APPRÖPRIATION: 2040 A RESEARCH DEVELOPMENT TEST

	PROGRAM		1			THOUSANDS OF	DØLLARS
NG PE		I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
63	63607A	JÖINT SERVICE SMALL ARMS PRÖGRAM (JSSAP)	N	2,521	1,707	4,292	5,076 U
64	63621A	COMBAT VEHICLE PROPULSION SYS	N	9,980	12,952	13,311	17,543 U
65	63631A	CMBT VEH TURRET AND CHASSIS SUBSYS	N	8,458	11,898	19,228	24,118 U
99	63636A	COMBAT VEHICLE ARMOR/ANTI-ARMOR	a	11,377	15, 794	52,385	60,872 U
67	63637A	ADV PRØPULSIØN/LAUNCH SYS FØR MUN	Ø		4,547	7,942	כ
68	63638A	NUCLEAR HARDENING ADVANCED TECHNOLOGY	Ø			985	982 U
69	63710A	NIGHT VISION ADVANCED DEVELOPMENT	Ø	32,914	28,654	35,013	53, 531 U
20	63725A	REMOTELY PILOTED VEHICLES/DRONES	Ø	6,326	5,697	6,232	23,780 U
7	63731A	MANPOWER AND PERSONNEL	Ø	7,064	9,825	17,026	18,865 U
72	63734A	MILITARY ENGINEERING TECHNÖLÖGY	Ø	1,726	2,015	1,276	612 U
73	63737A	ANTI-RADIATION MSL COUNTER MEASURES	· 0	4,035	4,666		
74	63739A	HUMAN FACTORS IN TNG/OPER EFFECT	Ø	4,426	4,202	10,376	11,698 U
75	63742A	ADV ELECTRONIC DEVICES DEV	αí	3,504	3,744	5,772	6,134 U
92	63743A	EDUCATION AND TRAINING	Ø	9,890	7,575	11,661	12,032 U
11	63744A	TRAINING SIMULATION	Ø	2,596	3,034	4,763	5,584 U
78	63748A	TEST MEASUREMENT & DIAGNOSTIC EQUIPMENT DEVEL	N	7,416	1,806	4,767	4,302 U
79	63749A	TECHNICAL VULNERABILITY REDUCTION	N	11,304	7,809	6,004	5,134 0
80	63752A	DEMILITARIZATION CONCEPTS	α	8,715	11,080	8,354	7,305 U
8	63756A	DGD SØFTWARE INITIATIVES (STARS)	Ø		983	20,685	52,954 U
82	63758A	AI/RØBØTICS DEMØ	Q			7,921	12,750 U
83	63759A	CB DEF/SMK ADV TECHNOLOGY DEMONSTRATIONS	N .			1,183	1,300 U

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DEPARTMENT OF THE ARMY
FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

	PAGE A-5	₾.	INICI ACCIEIED				
		1,833	3,953	4	NUCLEAR MUNITIONS AND RADIACS	63604A	101
3,853 U				4	LIGHT WEIGHT AIR DEFENSE SYSTEM	63323A	100
ם			6,011	4	CORPS SUPPORT WEAPON SYSTEM	63320A	66
42,493 U	35,384	15,719	2,364	4	SURF TO-SURF MSL ROCKET SYS	63303A	86
91,434 U	92,335	17,193	10,000	4	ANTI TACTICAL MISSILE (ATM)	63302A	26
61,438 U	48,603	25,200		4	ADVANCED ROTORCRAFT TECH INTEGRATION/LHX	63220A	96
39,619 U	58,252	48,955	19,943	4	GREATER SLOPE	63217A	9
1,068 U	066	1,059	1,100	4	JOINT SURVIVABILITY INVESTIGATIONS	63215A	94
218,448	227,033	514,693	570,976		GIC PROGRAMS	STRATEGIC	
32,541 U	27,204	9,288		ო	WORLDWIDE MILITARY CMD&CNT SYS INF SYS	33152A	8
				က	CLASSIFIED PRØGRAM	12821A	92
				က	SPECIAL PROGRAM	12814A	91
18,033 U	1,451	316,294	376,234	ო	BALLISTIC MSL DEF SYS TECH	63308A	06
20,167 U		152,872	142,833	ო	BMD ADVANCED TECHNÖLÖGY	63304A	8
652,341	557,338	317,709	257,434		ADVANCED TECHNOLOGY DEVELOPMENT	ADVANC	
262 U				a	NONTACTICAL ADP TECHNOLOGY	63765A	88
24,060 U	32,450			N	MEDICAL CHEM DEFENSE LIFE SUPPORT MAT	63764A	87
14,549 U	13,237	5,067	5,937	N	NGNSYSTEMS MEDICAL MATERIAL DEVELOPMENT	63763A	86
7,418 U	6,683	9,619	7,707	8	ELECTRÖNIC WARFARE FEASIBILITY DEVELOPMENT	63762A	82
		8,748	5,813	8	ELEC WRFR VULN/SUSCEP TECH SUPPORT	63761A	8
FY 1986 C	FY 1985	FY 1984	FY 1983	ACT	I TEM NOMENCLATURE	ELEMENT	LI NE
i	THOUSANDS OF DOLLARS	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;				PROGRAM	

DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

DATE: 01 FEB 1984 EXHIBIT R-1 APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

	PROGRAM		:			THGUSANDS OF	F DØLLARS
LINE NG NG		I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
102	63612A	ADVANCED ANTI TANK WEAPON	4			24,901	20,801 U
103	63615A	LETHAL CHEMICAL MUNITIONS CONCEPTS	4	346	13, 255	16,280	22,852 U
104	63619A	LANDMINE/BARRIER SYS	4	7,199	16,698	13,273	17,085 U
105	63627A	SMOKE MUNITIONS AND MATERIEL CONCEPTS	4	3,640	6,745	5,041	9,073 U
106	63628A	ARTILLERY/MÖRTAR AMMG DEVELÖPMENT	4	23,318	32,386	10,880	8,652 U
107	63629A	DIVISION SUPPORT WEAPONS SYSTEM	4	7, 331			ח
108	63632A	ARMORED CMBT LOG SPT VEHICLE FAMILY	4	2,720			Π
109	63633A	TANK/FIGHTING VEHICLE AMMO DEVELOPMENT	4	9; 733	5,773	11,364	13,897 U
110	63635A	MØBILE PRØTECTED GUN PRØGRAM	4	8,876	20,129		16,089 U
111	63702A	ELECTRIC POWER SOURCES	4	4,980	6,878	11,874	13,400 U
112	63705A	PHYSICAL SECURITY	4	3,396	4,657	4,787	6,682 U
113	63706A	IDENTIFICATION FRIEND OR FOE EQUIP DEVEL	4	5,779	8,136	9,714	15,661 U
114	63707A	COMMUNICATIONS DEVELOPMENT	4	8,824	7,798		
115	63709A	TACTICAL IMBEDDED COMPUTER PROGRAM	4		20,500		ב
116	63711A	AIRCRAFT SURVIVABILITY EQUIPMENT	4	3,094	3,103	9,919	9,947 U
117	63713A	ARMY DATA DISTRIBUTION SYSTEM (ADDS)	4	34,293	25, 329	23, 213	39,152 U
118	63718A	ELECT WRFR VULNERABILITY/SUCEPTIBILITY	4	16,816	18,670	22,563	24,654 U
119	63720A	CHEMICAL/BIG DETECTION WARM/SAMP MAT CONCEPTS	4		28,349	31,838	27,850 U
120	63721A	CML BIØ PRØTECTIVE MATERIEL CØNCEPTS	4	26,636	3,054	11,171	11,481 U
121	63723A	CÓMMAND AND CONTROL	4	20,900	23,475	20,649	21,629 U
122	63726A	COMBAT SUPPORT EQUIPMENT	4	6,976	7,716	15,676	42,211 U

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DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

ATTA	APPROPRIATION:	1: ZO40 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY	×₩			DATE:	
	PRGGRAM					THOUSANDS OF DOLLARS	F DØLLARS
LI NE	ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
123	63730A	TACTICAL SURVEILLANCE SYSTEM	4	22, 164	24,228		
124	63732A	COMBAT MEDICAL MATERIAL	4	282	4,913	8,312	14,574 U
125	63740A	DIV AIR DEFENSE COMD/CNTRL	4	1,000	2,645		5
126	63745A	TAC ELECTRONIC SPT MEASURE SYS	4	10,601	3,460		
127	63746A	SINGLE CHANNEL GRD/ABN RADIO SUB-SYS	4	15,431	2,416	2,207	4,277 U
128	63747A	SCLDIER SUPPORT/SURVIVABILITY	4	2,120	3,446	7,095	7,088 U
129	63750A	DRUG AND VACCINE DEVELCHMENT	4	9,121	12,373	14,473	16,264 U
130	63751A	MEDICAL DEFENSE AGAINST CHEM WARFARE	4	2,916	37,333	36,659	45,913 U
131	63753A	BATTLEFIELD DATA SYSTEMS	4	1,995			D
132	63755A	TACTICAL ELECTRONIC COUNTERMEASURES SYSTEMS	4	20,696	49,414		
133	63764A	MEDICAL CHEM DEFENSE LIFE SUPPORT MAT	4	12,219	28,430		D
134	63766A	TACTICAL ELECTRÖNIC SURVEILLANCE SYS	4	5,687	5,100		
135	63767A	COMBAT SERVICE SUPPORT CONTROL SYS	4			190	188 U
136	64202A	AIRCRAFT WEAPONS	4	989	549	086 '6	12,923 U
137	64204A	AIR MÖBILITY SUPPORT EQUIPMENT	4	564	2,377	4,017	3,700 U
138	64206A	UH-60A BLACKHAWK	4	8,448	15,000		כ
139	64207A	ADVANCED ATTACK HELICOPTER (AH-64)	4	32,629	27,836	16, 766	11,539 U
140	64212A	COBRA TOW	4	212			ם
141	64216A	AIRCRAFT PROPULSION SYSTEMS	4			26,518	93,489 U
142	64217A	SYNTHETIC FLIGHT TRAINING SYSTEMS	4	26,864	12,719	14,134	9,343 U
143	64218A	AIRDROP EQUIP DEVELOPMENT	4	1,978	3,356	4,186	4,55a U
			CNC	UNCLASSIFIED	4	PAGE A-7	

DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

DATE: 01 FEB 1984

EXHIBIT R-1

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

	PROGRAM		i			THOUSANDS OF DOLLARS	
L NE NG NG		I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
144	64220A	ARMY HELICOPTER IMPROVEMENT PROG	4	73,811	52,720	24,502	Þ
145	64221A	SURVEILLANCE SYSTEM	4	12,832			Ξ
146	64222A	JVX-JØINT SVCS VERTICAL LIFT A/C DEVEL PRØG	4	29,915			כ
147	64268A	AIRCRAFT COMPONENT IMPROVEMENT PROGRAM	4	6,978	11,920	14,630	20,064 U
148	64306A	STINGER	4	20,000		13,898	5,936 U
149	64307A	PATRIOT	4	45,443	83,033	61,471	55,709 U
150	64310A	HELIBORNE MISSILE-HELLFIRE	4	15,914	475	454	3,392 U
151	64311A	PERSHING II	4	111,584	17,684		כ
152	64313A	GRASS BLADE	4	17,069	22,279	20,725	11,399 U
153	64314A	MULTIPLE LAUNCH RÖCKET SYSTEM (MLRS)	4	26,089	964	1,851	D
154	64318A	DIVISION AIR DEFENSE GUN	4	10,887			5
155	64321A	JÖINT TACTICAL FUSIÖN PRÖGRAM	4	25,710	54,549		
156	64323A	HIGH TECHNÖLÖGY LIGHT DIVISIÖN	4	6,100	17,898	58,796	64,440 U
157	64324A	JÖINT TACTICAL MISSILE SYSTEM (JTACMS)	4		50,160	78,978	119,384 U
158	64601A	INFANTRY SUPPORT WEAPONS	4	4,068	4,497	21,563	24,730 U
159	64603A	NUCLEAR MUNITIONS	4	26,961	24,306		
160	64609A	SMOKE MUNITIONS & MATERIEL	4	2,650	2,045	6,154	8,906 U
161	64612A	COUNTERMINE AND BARRIERS	4	2,207	5,244	4,734	6,329 U
162	64616A	FIGHTING VEHICLE SYS	4	43,754	26,526	16,858	2,246 U
163	64619A	LANDMINE WARFARE	4	10,695	7,060	12,050	15,470 U
164	64620A	TANK SYSTEMS	4	5,969			,5

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DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

DATE: 01 FEB 1984

EXHIBIT R-1

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

		, , , , , , , , , , , , , , , , , , ,	1			THOUSANDS OF	F DOLLARS
LINE	ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
165	64623A	LIGH ANTI-TANK WEAPON TESTING AND EVALUATION	4	9,972			ס
166	64624A	HIGH MOBILITY MULTIPURPOSE WHEELED VEHICLE	4	4,678			5
167	64626A	FIRE INTEGRATION SPT TEAM VEH	4	8,607			5
168	64628A	INDIRECT FIRE TRAINING MUNITIONS	4	728			589 U
169	64630A	M1 E1 DEVELÖPMENT PRÖGRAM	4	58,187	66,584	53,682	47,162 U
170	64631A	FIELD ARTILLERY AMMUNITION	4	100	6,248	31,800	29,853 U
171	64632A	105MM TANK AMMUNITION	4	2,062	8,140	10,050	6,116 U
172	64701A	COMM ENGINEERING DEV	4	12,696	9,442	058,6	15,010 U
173	64702A	JT TAC INFO DIST SYS (JTIDS)	4	20,715	17,719	21,231	12,775 U
174	64704A	UNATTENDED GROUND SENSORS	4	4,124	5,000		כ
175	64705A	MODULAR INTEGRATED COMM AND NAVIGATION SYS	4	18,711	60'6	5,937	4,324 U
176	64706A	RADIGLOGICAL DEFENSE EQUIPMENT	4	838	927	288	٥
177	64709A	IDENTIFICATION-FRIEND OR FOE EQ	4	2,653	3,896	5,058	5,444 U
178	64710A	NIGHT VISION DEVICES	4	2,683	5,274	10,842	12,920 U
179	64711A	AIRCRAFT SURVIVABILITY EQUIPMENT	4	19, 395	17,979	16,813	26,109 U
180	64712A	ARMY CMD AND CONTROL SYSTEM (ACCS) SYS ENGR	4	13,175	10,325	11,568	15,874 U
181	64713A	COMBAT FEEDING, CLOTHING AND EQUIPMENT	4	2,804	2,257	6,290	6,570 U
182	64714A	TACTICAL ELECTRIC POWER SOURCES	4	5,234	5,520	10,921	12,363 U
183	64717A	GENERAL COMBAT SUPPORT	4	7,260	9,691	13,965	18,424 U
184	64718A	PHYSICAL SECURITY	4	6,326	5,893	7,623	7,608 U
185	64722A	EDUCATION AND TRAINING	4		6,000	7,740	6,745 U
			N	1000	L.	PAGE A-9	

DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

ADDE	SCOOL ATT &				Z,	באחוטוו ג-ו
	ALLENOR I GN:	N: ZO40 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY	· · · · · · · · · · · · · · · · · · ·		DATE: 01	L
N N N	NUMBER	. ITEM NOMENCLATURE	FY 198	FY 1984	FY 1985	FY 1986 C
186	64723A	SPECIAL PURPOSE DETECTORS	4		0	
187	64724A	CML BIG DETECTION WARNING & TRAINING MATERIAL	4 550	8 238	11 326	3,1720
188	64725A	CHEM BIG PRGTECTIVE MATERIEL	11,748	19,389	24.431	19 706 11
189	64727A	COMMAND AND CONTROL	14, 526	16,028	14,822	
190	64730A	REMOTELY PILOTED VEHICLES	4 81,726	132,629	103.140	
191	64732A	ENHANCE TO SENORS CORREL RECONN & TARGETING	3,200			
192	64733A	MILITARY COMPUTER FAMILY	4		2 ccn	
193	64740A	TACTICAL SURVEILLANCE SYSTEM	4 9,456	11,240		0 100 1
194	64741A	DIV AIR DEFENSE COMMAND AND CONTROL	4	38, 198	129, 424	88.573 11
195	64746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT	3,122		15.859	
196	64750A	TACTICAL ELECTRONIC COUNTERMEASURES SYSTEMS	4,347	18,952		
197	64751A	SINGLE CHANNEL GRD/ABN RADIC SUB ENG	4	13.417	11 221	600
198	64753A	BATTLEFIELD DATA SYSTEMS	4 23,926			
199	64757A	MEDICAL CHEMICAL DEFENSE LIFE SPT MAT	4	669	12,745	0 = 00
200	64758A	DRUG AND VACCINE DEVELOPMENT	4	4.669		
201	64766A	TACTICAL ELECTRONIC SURVEILLANCE SYS	4 10,903	13.174		0 50 6
202	64770A	JÖINT SURVEILLANCE/TARGET ATTACK RADAR SYSTEM	4	67,750	108.168	900 08
203	64779A	JT INTEROP OF TAC CMD & CONT SYS (JINTACCS)	4 25,997	28, 298	51,849	
			UNCLASSIFIED	₽.	PAGE A-10	

DEPARTMENT OF THE ARMY FY 1985 R D T & E PRÖGRAM

EXHIBIT R-1

APPR	OPRIATION	: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY	RMY			DATE: 01	FEB 1984
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	PRØGRAM					THOUSANDS OF	DOLLARS
LINE		I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
204	65710A	JT CB CONTACT POINT TEST AND ASSESSMENT	4	1,447	1,769	2,357	2,537 U
205	23724A	HV A TI-TANK ASSAULT WPN SYS (TOW)	4	2,176	1,863	9,921	7,285 U
206	23726A	ADV FIELD ARTY TACTICAL DATA SYS	4	14,958	21,478	33,112	36,245 U
207	23730A	CHAPARRAL	4	24,692	21,041	17,631	18,398 U
208	23731A	SAM HAWK/HAWK IMP PROG	4	36,617	31,954	18,875	5,444 U
209	23735A	COMBAT VEHICLE IMPROVEMENT PROGRAM	4	49,803	74,560	120,067	90,480 U
210	23739A	AN/TSQ-73 MØDIFICATIØNS	4	1,891			D
211	23740A	MANEUVER CONTROL SYSTEM (MCS)	4	18,205	9, 333	25,734	9,549 U
212	23741A	PRØD IMPR VULCAN AIR DEF SYS	4	1,500	3,753		21,771 U
213	23743A	155MM SELF-PRÖPELLED HÖWITZER IMPRÖVEMENTS	4		23,745	27,746	28,320 U
214	23744A	AIRCRAFT MODIFICATIONS	4		3,265		ס
215	28010A	JØINT TACTICAL COMMO PROGRAM (TRI-TAC)	4	45,357	71,272	45,433	29,052 U
216	33145A	EUCOM C3 SYSTEMS	4	100	3,921	7,539	2,733 U
		TACTICAL PROGRAMS		1,499,672	1,814,104	2,329,995	2,346,054
217	63712A	MAPPING AND GEÖDESY	IO.	3,601	234	2,951	4,902 U
218	64201A	AIRCRAFT AVIGNICS	NO.	4,989	2,244	2,102	3,385 U
219	64716A	MAPPING AND GEÖDESY	ľ			4,586	2,879 U
220	64778A	NAVSTAR GLÜBAL PÖS SYS (USER EQ)	ľ	10,677	5,777	13,578	11,428 U
221	31307A	FØREIGN SCIENCE AND TECHNÖLØGY CENTER	Ю				
222	31327A	TECH RECONNAISSANCE/SURVEILLANCE (TECRAS)	IO.				
223	31334A	OTHER COMMAND GDIP ACTIVITIES	ທ		274		D
				UNCLASSIFIED		PAGE A-11	

DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

			FY 1985 R D	R D T & E PROGRAM	ωt	Š	EXHIBIT R-1
APPR	APPROPRIATION:	2040 A	ARMY			DATE: 01	FEB 1984
; ; ;		! ! ! !		2 6 1	1 1 1 1 1	THOUSANDS OF	DØLLARS
LINE	FROGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
224	31359A	SPECIAL ARMY PRØGRAMS	ID.				
225	33111A	STRATEGIC ARMY COMMUNICATIONS (STARCOM)	ro	810	803	1,047	1,027 U
226	33126A	LONG-HAUL COMMUNICATIONS (DCS)	ıo	11,471	8,694	9,783	ם
227	33142A	SATCOM GROUND ENVIRONMENT	IO.	31,651	46,179	16,055	33,316 U
228	33401A	COMMUNICATIONS SECURITY	ß				
	INTELL	INTELLIGENCE AND COMMUNICATIONS		75,809	76,913	67,572	75, 366
229	63315A	TARGET MISSILES	O			985	Þ
230	63738A	NONSYSTEMS TRAINING DEVICES (NSTD) DEV	ø	934	2,365	6,100	3,481 U
231	64715A	NON-SYSTEM TNG DEVICES ENGR	ω	7,690	12,545	34,530	40,081 U
232	64726A	METEGRÖLGGICAL EQUIPMENT SYSTEMS	ဖ	5,847	5,182	9,617	6,220 U
233	65102A	TRADGC STUDIES AND ANALYSES	ဖ	1,768		2,864	4,402 U
234	65201A	AVIATION ENGINEERING FLIGHT ACTIVITY	ဖ	5,775	6,524	7,608	8,184 U
235	65301A	KWAJALEIN MISSILE RANGE	ဖ	151,706	138,342	154,765	154,024 U
236	65502A	SML BUSINESS INNOVATIVE RESEARCH	ဖ	2,379			כ
237	65702A	SUPPORT OF DEVELOPMENT TESTING	ω	44,713	43,172	52,060	64,699 U
238	65706A	MATERIEL SYSTEMS ANALYSIS	ဖ	13,129	14,221	15,388	16,057 U
239	65709A	EXPLOITATION OF FOREIGN ITEMS	ω	2,101	2,602	2,902	3,636 U
240	65712A	SUPPORT OF OPERATIONAL TESTING	ယ	52,025	49,126	60,625	77,518 U
241	65801A	PROGRAM-WIDE ACTIVITIES	ဖ	67,296	66,695	110,059	198,419 U
242	65802A	INTL COOPERATIVE RESEARCH AND DEV	ဖ	734	1,035	794	1,136 U
243	65803A	TECHNICAL INFO ACTIVITIES	ဖ	4,710	5,330	5,565	6,395 U

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DEPARTMENT OF THE ARMY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

APPR	SPRIATION	RESEARCH DEVEL®	RMY			DATE:	DATE: 01 FEB 1084
1 4 5	1 1 1 1 1 1 1 1				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	PROGRAM		1	1 6 8 8 8 8 8 8 8		THOUSANDS	THOUSANDS OF DOLLARS
N E	ELEMENT	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
244	65804A	DARCOM MAJOR RANGE/TEST FACIL	۵	295, 641	304, 751	350,988	405.663 U
245	65805A	MUNITIONS-NATO STDZN DOD EFFEC SAFETY STDS	ဖ	7,028	5,709	6,785	7,027 U
246	65806A	DOD HIGH ENERGY LASER SYSTEMS TEST FAC	ω	33, 933	36, 233	39, 399	38,911 U
247	65807A	MAINSITE	9	3,000	17,566		, ,
248	65808A	MM AND T/MACI	့ ဖ	48,767	73,683		· ⊃
249	65872A	PRODUCTIVITY INVESTMENT FUNDING	ဖ	20,125	20,728	11,310	3.562 U
250	65890A	INSTL AUDIOVISUAL SPT (R/D)	ω	3,492			
251	65898A	MGT HQ (RESEARCH/DEVELOPMENT)	ω	43,431	42,961	41, 120	45.425 U
252	78011A	78011A INDUSTRIAL PREPAREDNESS	ယ			103.964	156, 917
	DEFENS	DEFENSEWIDE MISSION SUPPORT		816,224	848,770	1,017,428	1,241,757
TOTAL		RESEARCH DEVELOPMENT TEST + EVAL, ARMY		3,895,283	4,259,375	4,987,100	5,355,078
		1	N	UNC. ASSIETED	_	PAGE A-13	

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DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

	SUMMARY		DATE: 01	FEB 1984
			THOUSANDS OF DOLLARS	7F DOLLARS
	FY 1983	FY 1984	FY 1985	FY 1986
SUMMARY RECAP OF RESEARCH CATEGORIES				
1 14	307,640	319,358	349,721	404,081
ADVANCED DEVELCPMENT ENGINEERING DEVELCPMENT MANAGEMENT AND SUPPORT	1,745,476 2,086,004 586,089	2,917,737 2,271,521 568,466	2, 126, 370 4, 684, 522 603, 564	3,111,047
RESEARCH AND DEVELØPMENT (FYDP PRØGRAM 6) ØPERATIØNAL SYSTEMS DEVELØPMENT	1 -	6,518,203 1,053,515	8, 242, 628 1, 583, 448	9,627,796
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY	6,100,131	7,571,718	9,826,076	11,676,119
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNÖLÖGY BASE ADVANCED TECHNÖLÖGY DEVELÖPMENT STBATEGIC BERGEAMS	149,779	760,479	828, 172 286, 399	940,117 364,309
SIMALEJO TROGRAMS INTELLIGENCE AND COMMUNICATIONS DEFENSEWIDE MISSION SUPPORT	3,614,319 266,835 605,619	3,891,400 337,324 639,601	5,223,531 5,223,531 421,535 686,384	2,602,954 6,548,049 408,919 811,771
TÖTAL RESEARCH DEVELÖPMENT TEST + EVAL, NAVY	6,100,131	7,571,718	9,826,076	11,676,119
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES GENERAL PURPOSE FORCES INTELLIGENCE AND COMMUNICATIONS RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6) CENTRAL SUPPLY AND MAINTENANCE	247,767 424,636 173,666 5,250,723 3,339	276,23 556,77 220,50	-	309, 743 1, 248, 760 389, 671 9, 627, 796 100, 149
TÖTAL RESEARCH DEVELÖPMENT TEST + EVAL, NAVY	6, 100, 131	7,571,718	9,826,076	11,676,119

DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

DATE: 01 FEB 1984

EXHIBIT R-1

APPRÖPRIATIÖN: 1319 N RESEARCH DEVELÖPMENT TEST + EVAL, NAVY

5							
8 870 11	6,456	5,684	6,749	-	PERSONNEL & TRNG TECH	62763N	2
30,816 U	28,005	25, 309	25,882	-	ELEX DEVICE TECH	62762N	50
41,399 U	35, 960	35, 253	33,384	•	MATERIALS TECH	62761N	o
18,126 U	14,756	13,533	13,690	-	LØGISTICS TECH	62760N	-
25,838 U	24,046	18,777	21,211	1	GCEAN AND ATMOS SUPT TECH	62759N	17
9,437 U	8,829	8,242	8,871	-	BIOMEDICAL TECH	62758N	16
8,722 U	7,967	7,309	8,877	-	HUMAN FACTORS&SIM TECH	62757N	ξ.
5			926,09	-	HIGH ENERGY LASER TECH	62735N	4
34,503 U	30,829	27,696	27,745	1	COUNTERMEASURES TECH	62734N	13
38,505 U	30,878	29,646	31,048	-	COMMAND AND CONTROL TECH	62721N	4
44,151 U	36,387	34,985	35,784	-	SURF/AERØSP TGT SURV TECH	62712N	1
48,965 U	45,690	37,362	41,766	•-	U/S TARGET SURV TECH	62711N	10
40,487 U	35,483	25,086	25,396	-	UNDERSEA WARFAR WPNRY TECH	62633N	Ø
31,769 U	30,155	29,982	32,497	-	SHIP AND SUBMARINE TECH	62543N	Φ
49,926 U	48,263	46,128	53,624	•	NUCLEAR PROPULSION TECH	62542N	1
31,735 U	29,960	26,748	26,996	•	SURF/AERÖSPACE WPNRY TECH	62332N	ဖ
11,497 U	10,360	9,448	9,314	-	MISSILE PROPULSION TECH	62331N	ro.
27,947 U	25,705	25,630	27,362	-	AIRCRAFT TECHNÖLØGY	62241N	4
12,110 U	10,431			-	TACT DIRECTED ENERGY TECH	62101N	e e
374,417 U	324,048	295,914	284,334	-	DEFENSE RESEARCH SCIENCES	61153N	N
29, 664 U	25,673	23,444	23,306		IN-HOUSE INDEPEND LAB RES	61152N	-
FY 1986 C	FY 1985	FY 1984	FY 1983		I TEM NOMENCLATURE	ELEMENT	LI NE NG
	THOUSANDS OF DOLLARS			1			

UNCLASSIFIED

DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

			DEPARTMENT FY 1985 R D	NT OF THE NAVY D T & E PROGRAM	АМ	EX	EXHIBIT R-1
APPR	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT TEST + EVAL,	NAVY			DATE:	
1			: : : : : : : :	ž	I I	THOUSANDS	
LINE	PRGGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
22	62764N	CHEM/BIOL/&RADIOL DEF TECH	-	1,829	3,828	4,939	6,644 U
23	62765N	ENERGY & ENVIRON PROT TECH	-	5,005	4,043		כ
24	62766N	LAB INDEP EXPLORATORY DEV	-	14,009	11,849	13,352	16,589 U
25	62768N	DIRECTED ENERGY TECH	-		****		
	TECHNÖLÖGY	GGY BASE		833, 154	760,479	828,172	940,117
56	63202N	AVIÖNICS	Ø	4,141	1,607		ס
27	63207N	ENVIRONMENTAL APPLICATIONS	Ø	5,516	5,548	8,287	9,172 U
28	63210N	ADV A/C PRÖPUL SYS	Ø	9,736	5,959	9,040	8,949 U
29	63216N	ABN-LIFE SUPPORT SYS	Ø	2,813	610	1,125	1,920 U
30	63217N	ADV A/C SUBSYSTEMS	αı	2,405	2,799	6,780	3,725 U
31	63251N	A/C SYSTEMS (ADV)	N	1,000			כ
32	NE0869	ERASE SYS TECHNÖLÖGY	Ø	689 6	25,307	4,498	4,990 U
33	63306N	ADV A/L ASM SYSTEMS	Ø		1,475		כ
34	63308N	A/A MSL TECH DEMO	N	2,923	3,956	2,850	Þ
35	63508N	SHIP PROP SYS (ADV)	Ø	20,656	40,721	47,703	63,062 U
36	63526N	ADV COMPUTER TECH	Ø	3,572	4,912	11,188	10,547 U
37	63573N	ELECTRIC DRIVE	Ø	7,267	10,081	10,072	19,618 U
38	63609N	CÖNVENTIÖNAL MUNITIÖNS	N	4,331	4,173	14,323	20,813 U
39	63654N	JØINT SERV EØD DEV (ADV)	Ø	4,954	4,394	7,979	7,603 U
4	63701N	HUMAN FACTORS ENG DEVEL	N	2,348	1,170	1,844	2,881 U
4	63704N	GCEANGG INSTRUMENTATN DEV	Q	2,999	2,950	5,867	8,871 U
		•					

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DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

	PAGE N-3						
73,696 U	41,199	71,199	66,057	m	TRIDENT 1	11228N	61
51,914 U	48,862	36,671	34,191.	ო	SSBN SECURITY PROGRAM	11224N	90
41,379 U	40,391	27,750	30,577	m	FBM SYSTEM	11221N	90
8,520 U	8,708	6,786	7,149	m	STRATEGIC TECH SUPPORT	65856N	28
2,250,542 U	2,091,113			n	TRIDENT 11	64363N	22
ס		1,141	006	m	WWMCCS ARCHITECTURE SUPPT	63735N	26
ס		1,473,233	369, 614	М	TRIDENT 11	63371N	22
364,309	286, 399	175,760	149,779		ADVANCED TECHNÖLÖGY DEVELÖPMENT	ADVANC	
	68,499		3, 339	ci	MANUFACTURING TECH	78011N	24
ם		1	2,960	a	ABN ELE-MAG/OPT SYS (ADV)	63786N	53
9,874 U	8,790	6,432	6,100	(U	TRAINING DEVICE TECH	63733N	52
3,259 U	2,988	2,136	1,977	N	ADV MANPOWER TRAINING SYS	63732M	5
כ				a	MANUFACTURING TECH	63728N	20
11,787 U	7,950	1,669	1,253	N	ADV TECH FOR LOGISTIC INFO	63727N	9
13,368 U	9,224	7,928	10,199	a	NAVAL SPECIAL WARFARE	63722N	48
10,042 U	10,517	7,999	8,150	a	ENVIRONMENTAL PROTECTION	63721N	47
6,114 U	5,008	2,196	2,698	a	EDUCATION & TRAINING	63720N	46
22,367 U	18,876	16,376	13,743	a	OCEAN ENG TECH DEVELOR	63713N	4
6,848 U	5, 186	3,893	3,980	N	ADV MARINE BIOLOGICAL SYS	63709N	4
5,247 U	5,020	177,1	2,375	a	MNPWR CONTROL SYST DEV	63707N	43
13,103 U	12,785	9,698	8,655	N	MEDICAL DEVELOPMENT (ADV)	63706N	4
FY 1986 C	FY 1985	FY 1984	FY 1983	ACT	I TEM NOMENCLATURE	ELEMENT	LINE
1	THOUSANDS OF DOLLARS			1		PREGRAM	

UNCLASSIFIED

DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

Adda	APPRAPRIATION:	1319 N RESEARCH DEVELOPMENT TEST +	FVAI NAVY	i i 5		DATE: 01 FEB	FEB 1984
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	M 400		İ	\$ 6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		THOUSANDS OF DOLLARS	JF DØLLARS
LINE		ITEM NOMENCLATURE		7	FY 1984	FY 1985	986
62	11401N	ELF COMMUNICATIONS	ю	51,677	57,292	26,396	10,087 U
63	11402N	NAVY STRATEGIC COMM	ო	64,754	83,143	106, 535	132,200 U
64	12427N	NAV SPASUR		511	176	517	467 U
65	33131N	MEECN	ო	4,995	1,509	1,467	1,661 U
99	33152N	WIS MODERNIZATÍON	ო		8,254	14,867	32,488 U
	STRATEGIC	GIC PROGRAMS		630, 425	1,767,154	2,380,055	2,602,954
67	63206N	ABN ELECTRÖNIC WARFARE EQ	4	14,157	21,753	67,335	81,645 U
89	63208N	VTX-TS	4	7,925	24,857	113,420	263,747 U
69	63209N	U/W WPNS ACCEPT TEST	4				5,946 U
70	63212N	TAC AIR IR COUNTERMEASURES	4	1,493			כ
71	63213N	AIRBORNE INFRARED CM	4	5,732	10,819		ם
72	63214N	TAC CMD CONT COMM C/M	4	7,258	10,093		כ
73	63219N	ADV A/C ARMAMENT SYS	4	3,145	430		כ
74	63228N	CV ASW MÖDULE	4	3,928	3,832	5,289	5,538 U
75	63254N	AIR ASW	4	13,439	2,362	2,384	3,499 U
16	63256N	XVX	4		86,673	198,495	618,610 U
77	63257N	A-6E IMPROV	4	6,700	14,370	19, 633	ח
78	63259N	ACCUS SEARCH SENSCRS (ADV)	4	7,601	1,900	1,922	5,217 U
79	63260N	ABN MINE COUNTERMEASURES	4	21,566	14,752	15,726	17,250 U
80	63261N	TAC AIR RECON	4	4,670	7,273	13,277	29,472 U
8	63262N	A/C SURVIV & VULNER	4	9,984	10,867	29,493	33,573 U
			2	CO CONTRACTOR CONTRACT		PAGE N-4	

DEPARTMENT OF THE NAVY 1985 R D T & E PROGRAM FY 1985

EXHIBIT R-1

DATE: 01 FEB 1984

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

EY 1986 C \supset 25,000 U 26, 205 U 134,650 U 15,820 U 36,976 U \supset \supset 32,688 U 82,48G U 28, 200 U 5,943 U 3,035 U 28, 160 U 6,923 U 6, 124 U 106, 339 U 14,546 THOUSANDS OF DOLLARS 20,419 2,969 1,979 6,014 FY 1985 12,465 9,040 51,659 30,276 31,252 4,410 5,486 12,375 27,887 12,991 119,231 4,938 7,850 27,132 7,798 874 590 486 FY 1984 6,857 3,924 6,336 8,117 2,276 2,496 2,253 12,465 14,000 95,495 27,381 6,694 4,500 3,999 6,458 5, 783 1,394 2,428 15,442 14,169 1,472 632 FY 1983 22,517 19,900 31,370 12,426 4,411 4,387 93,823 24,251 ACT I TEM NOMENCLATURE REACTOR PROPULSION PLANTS SUBMARINE ASW STDOFF WPN ADV SURF/AIR MSSLE(ASAM) SHIPBOARD DAMAGE CONTROL RADAR SURVEILLANCE EQUIP SHPBD INFØ TRANSFER SYS ADV IDENTIFICATION TECH ADV SUB SUPT EQUIP PROG SURFACE SHIP TORP DEF SUB SCINAR DEVEL (ADV) ADV COMMAND DATA SYS ACCUSTIC COMM (ADV) SHIPBD SYS COMP DEV COMBAT IDENT SYS RETRACT YELLOW AIR-L TOMAHAWK IIR MAVERICK SURFACE MCM PILOT FISH CATAPULTS BGAAWC PRGGRAM ELEMENT NUMBER 63267N 63313N 63318N 63367N 63315N **83369N** 63382N 63501N 63502N 63503N 63504N 63506N 63509N 63512N 63513N 63514N 63515N 63516N 63519N 63522N 63525N LI NE 82 83 84 85 88 89 90 100 87 93 95 96 98 66 102 6 94 97

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DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

			DEPARIMENT FY 1985 R D	R D T & E PROGRAM	ωx	EX	EXHIBIT R-1
APPR	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT	NAVY			DATE: 01	
!			 		1	THOUSANDS OF	DÖLLARS
LINE	PROGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
103	63528N	NON ACCUSTIC ASW	4	11,028	12,394	22,408	27,892 U
104	63529N	ADV ASW TARGET	4	3,907	1,938	16,011	12,425 U
105	63532N	SHIP SYS ENGR STDS	4	4,993	4,429	4,834	6,524 U
106	63536N	RETRACT JUNIPER	4			1,373	כ
107	63537N	RETRACT SILVER	4	94,365			כ
108	63539N	RETRACT AMBER	4	13,522	3,746		כ
109	63542N	RADIØLØGICAL CØNTRØL	4			1,674	3,660 U
110	63550N	LINK DØGWØØD	4	1,999	5,887	22,753	23,733 U
111	63553N	SURFACE ASW	4		6,434	20,863	25,181 U
112	63560N	WIDE APERTURE ARRAY(ADV)	4	23,560	15,522	11,671	11,954 U
113	63561N	SUBMARINES (ADV)	4	43,850	81,271	153, 790	166,500 U
114	63562N	SUB TAC W/F SYS (ADV)	4	7,012	11,105	21,736	23,573 U
115	63564N	SHIP DEVELOPMENT (ADV)	4	12,865	14,908	16,103	20,040 U
116	63565N	SURF SHIP NAVIG SYS	4			2,959	7,912 U
117	63566N	AMPHIB ASSLT CRAFT	4	11,884	7,806	4,571	4,558 U
118	63569N	ATTACK SUBMARINE DEV	4	8,256	6,835	24, 121	40,900 U
119	63570N	ADV NUC REACT COMP SYS DEV	4	11,536	26,492	71,424	97,401 U
120	63571N	SHIBD PHYSICAL SECURITY	4	6,122	5,235	5, 138	5,416 U
121	63576N	CHALK EAGLE	4	6,401	14,259	51,912	70,057 U
122	63578N	A4W/A1G NUC PROP PLNT	4	12,238	12, 193	5,755	5,889 U
123	63579N	D2W NUC PROP REACTOR	4	6,337			D
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EXHIBIT R-1

DATE: 01 FEB 1984 APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

	PAGE N-7		ASSISTED				
D			1,394	4	CGMMAND/CGNT/CGMM SYS	63731M	4
347 U	8,231	4,867	5,062	4	INTELL/ELEC WARFARE SYS	63730M	143
9,204 U	4,678	6,320	5,436	4	COMBAT SERVICES SUP (ADV)	63729M	142
6,821 U	5,927	4,716	8,173	4	MERSHIP NAV AUX PRGG	63726N	14
10,284 U	10,477	4,833	4,913	4	FACILITIES IMPROV	63725N	140
23,264 U	20,075	23, 121	21,634	4	NAVY ENERGY PROGRAM (ADV)	63724N	139
3,958 U	1,522	1,744	3,667	4	CONT OFFLOAD & TRNSFR SYS	63719N	138
31,833 U	27,384	26,578	34,903	4	COMMAND & CONTROL SYS(ADV)	63717N	137
10,275 U	6, 195	5,160	5,201	4	FLEET TAC D&E PROGRAM	63711N	136
10,285 U	9,381	3,856	6,765	4	ANTI SUB W/F SIGN PROC	63708N	135
568 U	937	1,188	3,335	4	Logistics	63705N	134
2,020 U	2,296	2,153	1,864	4	OCEAN ENGR SYS DEV	63702N	133
כ			20,483	4	MK 48 ADCAP (ADV)	63691N	132
8,559 U	5,181	4,957	4,508	4	GRD COMBAT/SUPP ARMS SYS	63635M	131
10,927 U	7,846	5,314	3,440	4	TAC NUC DEVELOPMENT	63634N	130
49,414 U	54,553	61,165	38,076	4	MC ASSAULT VEHICLES	63611M	129
Þ		4,050	960'26	4	ALWT (ADV)	63610N	128
D		3,924	9,521	4	MINE DEVELOPMENT	63601N	127
162,269 U	137,009	111,853		4	JOINT ADV SYS	63591N	126
129,746 U	124,585	108,608	138, 339	4	DDG-51	63589N	125
26,786 U	21,635	14,844	7,920	4	COMBAT SYSTEM INTEGRATION	63582N	124
FY 1986 C	FY 1985	FY 1984	FY 1983	ACT	I TEM NOMENCLATURE		N N N
	THOUSANDS OF DOLLARS					PRØGRAM	

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DATE: 01 FEB 1984 APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

APPR	OPRIATION	RESEARCH DEVELOPMENT TEST + EVAL,	AVY			DATE: 01	DATE: 01 FEB 1984
! ! !	I	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	1 6 6 8 8 1 1 1 5	: : : :		THOUSANDS	OF DOLLARS
LINE	PROGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	198	7	FY 1985	FY 1986 C
145	63734N	CHALK CORAL	4	2,900	6,683	5,440	195 U
146	63736N	STRIKE WARFARE	4	3,000	1,298	594	Þ
147	63737N	LINK HAZEL	4	16,000	34,387	43,000	15,000 U
148	63763N	1788	4	11, 334.	11,803	15,208	57,586 U
94	63784N	ASW SURVEILLANCE	4	819		9,247	22,516 U
150	63785N	LRAP	4	13,578	8,262	10,576	16,591 U
151	63787N	SPECIAL PROCESSES	4	72,523	65,953	69,519	52,722 U
152	63788N	RDSS	4	19,131	18,197	11,766	13,817 U
153	64203N	AVIÓNICS DEV	4	6,491	7,754	15,033	18,222 U
154	64211N	IFF SYS DEV	4	6,228	8,435	15,213	20,009 U
155	64212N	LAMPS III	4	8,969	2,102		7,587 U
156	64213N	HELICOPTER DEVELOPMENT	4	12,624	32,296	16,518	7,202 U
157	64214N	AV8B (ENG)	4	117,805	101,883	70,447	38,545 U
158	64215N	SUPPORT EQUIPMENT	4	7,329	8,730	21,206	24,946 U
159	64217N	S-3 WPN SYS IMP S 3()	4	75,999	59,054	42,102	16,685 U
160	64218N	ENVIRONMENTAL SYSTEMS	4	1,246	585	2,498	1,790 U
161	64219N	ABN ASW DEVELOPMENTS	4	27,536	18,882	24,346	30,513 U
162	64220N	A/C IR SIGN SUPPRESSION	4	92	1,391	9,290	5,022 U
163	64221N	P-3 MØDERNIZATIÖN PRØG	4	18,584	9,171	37,388	37,708 U
164	64224N	ABN EW ENG	4	1,900	3,836	49,442	56,692 U
165	64225N	ADV RADAR WARNING	4	998	7,588		ס
			Z	CHIRA		PAGE N-8	

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	PAGE N-9	ì	THE ASSIETED				
32,469 U		44,899	57,178	4	VERTICAL LAUNCHING SYS	64353N	186
1,435 U	1,395	1,384	3,037	4	S/L WPNRY SHIP SYSTEMS	64352N	185
30,029 U	35,685	6,623	4,676	4	АМКААМ	64314N	184
10,889 U	19,729	7,729		4	LINK ASH	64308N	183
70,251 U	55, 593	54,660	40,672	4	CG-47 PRODUCT IMPROVEMENT	64307N	182
כ			11,215	4	CSED	64304N	181
14,197 U	14,154	12,308	8,149	4	AEGIS AREA AIR DEF	64303N	180
38,358 U	19,295	70,446	24,628	4	MK92 FCS UPGRADE	64301N	179
99,111 U	90,011	88,835	81,139	4	A/C ENGINES COMP IMP PROG	64268N	178
7,900 U	7,926	2,981	6,885	4	AWG-9 UPDATE	64267N	177
כ			501	4	ADV SIG PRÖCESS (ASP)	64266N	176
3,266 U	13,872	5,687	6,702	4	LIFE SUPPORT EQUIP	64264N	175
כ			107,817	4	F/A-18	64263N	174
כ			4,900	4	JVX	64262N	173
34,596 U	31,240	22,476	8,678	4	ACGUSTIC SRCH SENSRS (ENG)	64261N	172
3,939 U	14,560	32,279	15,119	4	C/MH-53E	64260N	171
כ		16,738	12,689	4	AIR ELECTRONIC W/F	64255N	170
46,199 U	35,822	9,248		4	A/C PRGPULSION (ENG)	64252N	169
5,835 U	44,516			4	CV ASW HELG	64229N	168
		18,373		4	SH 60 CV VARIANT	64228N	167
17,523 U	40,560	42,798	31,216	4	ASPJ	64226N	166
FY 1986 C	FY 1985	FY 1984	FY 1983	ACT	I TEM NOMENCLATURE	ELEMENT NUMBER	LI NE
-	THOUSANDS OF DOLLARS			1		PROGRAM	

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APPR	APPROPRIATION:	1319 N RESEARCH DEVELOPMENT TEST +	EVAL, NAVY			DATE: 01	FEB 1984
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LINE	PROGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1085	FY 1986 C
187	64354N	AAM SYSTEMS ENGINEERING	4	22,844	2,771	3,888	30,465 U
188	64355N	VLS ASRÖC	4		29,845	26,603	27,106 U
189	64358N	CIWS (PHALANX)	4	1,346	1,228	3,174	4,771 U
190	64360N	HARM	4	5,713			ב
191	64361N	NATO SEA SPARROW	4	1,067	6,146	8,398	8,304 U
192	64365N	SM-2 (N)	4	18,808	18,489	25,679	26,499 U
193	64366N	STANDARD MSL IMPRÖVEMENTS	4	51,239	31,393	41,282	77,884 U
194	64367N	ТОМАНАМК	4	109,039	128,844	81,501	43,821 U
195	64369N	5'' ROLLING AIR FRAME MSLE	4	16, 153	4,230	6,544	2,233 U
196	64370N	SSN-688 VLS	4	47,061	39,176	29,449	23,256 U
197	64371N	HELLFIRE	4	9, 365	2,706	2,401)
198	64372N	NEW THREAT UPGRADE	4	45,759	47,503	51,783	66,931 U
199	64502N	SUBMARINE COMM	4	3,635	4,801	4,185	4,70G U
200	64503N	SUB SGNAR DEVELOP (ENG)	4	40,003	51,792	40,111	46,335 U
201	64504N	AIR CONTROL ENG	4	9,223	24,777	23,032	17,264 U
202	64506N	BR/CW COUNTERMEASURES	4	9,657	8,028	7,119	6,792 U
203	64507N	EMSP	4	12,972	22,769	58,614	110,516 U
204	64508N	RADAR SURVEILLANCE EQUIP	4	12,839	10,242	11,714	12,826 U
202	64510N	COMMUNICATIONS SYS	4	3,767	4,473	7,991	730 U
206	64511N	INTELLIGENCE SYSTEMS	4.	1,868	2,122	2,573	3,911 U
207	64515N	SUB SUPT EQUIP PROG (ENG)	4	2,232	3, 690	7,397	13,747 U
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_	PAGE N-10	

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EXHIBIT R-1

DATE: 01 FEB 1984

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

CATE CATE				;		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS OF DOLLARS	
64518N SHIP SURVIVABILITY 4 2,117 4,289 6,288 64518N CIC CONVERSION 4 18,592 24,439 6,241 14,664 6452N HIDE APERTURE ARRAY(ENO) 4 80,714 95,803 171,216 2,051 6452N SUBACS (ENO) 4 80,714 95,803 171,216 2,056 6452N SUBACS (ENO) 4 80,714 95,803 171,216 2,056 6458N SUBARTINE (ENO) 4 80,714 95,803 17,1216 2,056 6458N SUBARTINE (ENO) 4 34,425 46,944 41,894 41,894 6458N ACCOUNTIC COMM (ENO) 4 120,867 76,064 41,894 41,894 6458N ACCOUNTIC COMM (ENO) 4 120,867 76,243 41,894 41,894 6457N ACCOUNTIC COMM (ENO) 4 120,867 12,436 43,896 43,896 6457N ALITA EMBEDEDED COMP FROO 4 1,206 5,169	NG NE	NUMBER		ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
6455 IN LIC CONVERSION 4 16,592 24,439 30,541 6452 IN LICE APERTURE ARRAY(ENG) 4 60,714 95,803 171,216 2 6452 IN SURACE CING) 1 4 60,714 95,803 171,216 2 6452 IN SURFACE L/M 1 4 6,339 6,141 6,055 17,216 2 6452 IN SURFACE L/M 2 6,042 4 6,339 6,141 6,055 17,216 2 6452 IN SURFACE L/M 3 4 6,339 6,141 6,055 17,216 2 6452 IN SURFACE L/M 3 4 50,05 1,921 4 1,924 41,694 4 6452 IN SURFACE L/M 4 120,887 4 10,275 4 10,275	208	64516N	SHIP SURVIVABILITY	4	2,117	4,299	6,288	9,527 U
6452ON WIDE APERTURE ARRAY(ENG) 4 80,714 95,803 171,216 2 6452AN SUBACS (ENG) 4 80,714 95,803 171,216 2 6452AN SURFACE E/W 4 6,339 6,141 8,055 6455AN SUBARTINE (ENG) 4 500 1,921 41,894 6456N SUB TAC W/F SYSTS (ENG) 4 2,436 41,894 41,894 6456N SUB TAC W/F SYSTS (ENG) 4 2,436 2,349 6,349 41,894 6456N SHPBD PHYS SECURITY (ENG) 4 2,567 2,436 2,349 6456N ACOUSTIC COMM (ENG) 4 12,048 3,242 3,733 6456N ATIC SEA GNAT 4 15,019 12,366 49,819 645AN ATIC SEA GNAT 4 15,019 3,224 3,733 645AN ATIC SEA GNAT 4 1,210 10,644 50,889 645AN ATIC EMBEDDED COMP FROG 4 1,216 7,244	209	64518N	CIC CONVERSION	4	18,592	24,439	30,541	32,472 U
64624N SUBACS (ENG) 4 80,714 95,803 171,216 2 6455AI SURFACE E/W 4 6,339 6,141 8,055 171,216 8 6456AI SUBMARINE (ENG) 4 500 1,921 8,055 9 6456AI SUBMARINE (ENG) 4 34,425 46;944 41,894 41,894 6456AI SUBMARINE (ENG) 4 2,567 2,436 2,349 2,349 6456AI SHPBD PHYS SECURITY (ENG) 4 2,567 2,436 2,349 2,349 6456AI ACOUSTIC COMM (ENG) 4 120,887 78,064 40,133 3,733 6456AI ATO SEA GNAT 4 15,019 12,366 3,919 3,733 6457AI ATO SEA GNAT 4 15,019 12,366 49,819 3,733 6457AI ATO SEA GNAT 4 1,316 12,366 49,819 3,734 6457AI ATO SEA GARAT 4 1,316 1,316 3,436	210	64520N	WIDE APERTURE ARRAY(ENG)	4			14,664	27.064 L
6455AN SURFACE E/W 4 6.339 6,141 8,055 6455IN SUBMARINE (ENG) 4 500 1,921 8,055 6456IN SUBMARINE (ENG) 4 500 1,921 4,1,894 6456IN SUBMARINE (ENG) 4 2,465 4,1,894 4,1,894 6456IN SHPBD PHYS SECURITY (ENG) 4 2,567 2,436 2,349 6456IN SHIP SUBSYS DEV/LBTS 4 120,887 7,964 41,894 6456IN NITCY SEA GNAT 4 15,019 12,366 4,943 6457IN AITCY EMBEDDED COMP PROG 4 15,019 12,366 4,943 6457IN INFLUENCE MOM 4 1,516 4,543 50,893 6457IN INFLUENCE MOM 4 1,269 5,169 7,522 6457IN INFLUENCE MOM 4 1,269 7,522 7,522 6467IN INFLUENCE MOM 4 1,269 7,643 7,522 6460N INVALLENDED	211	64524N	SUBACS (ENG)	4	80,714	95, 803	171,216	215, 125 (
64561N Submarine (ENG) 4 500 1,921 64562N SUB TAC W/F SYSTS (ENG) 4 34,425 46,944 41,894 64563N SHPBD PHYS SECURITY (ENG) 4 2,367 2,349 2,349 64563N SHIP SUBSYS DEV/LBTS 4 2,567 79,064 101,275 64563N NATO SEA ONAT 4 15,019 12,386 101,275 64573N SHPBD EW IMPROV 4 15,019 12,386 49,819 64578N TACT EMBEDDED COMP PROG 4 31,704 18,644 9,489 64578N INFLUENCE MOM 4 1,209 5,169 7,522 64578N INFLUENCE MOM 4 1,200 5,169 7,522 64678N INFLUENCE MOM 4 1,200 5,169 7,522 64678N ININGINIDED CONVENTY IMPROVEMENT 4 7,229 6,409 4,643 6460N ALIK BIRCH 7,229 6,409 7,969 7,969 7,134 6460	212	64554N	SURFACE E/W	4	6,339	6,141	8,055	12.773 U
64562N SUB TAC W/F SYSTS (ENG) 4 34,425 46,944 41,894 64563N SHIPED PHYS SECURITY (ENG) 4 2,567 2,349 2,349 64563N SHIP SUBSYS DEV/LBTS 4 2,567 78,064 101,275 11,275 64563N NATG SEA GNAT 4 1,209 3,924 3,733 3,733 64573N SHIP SUBSYS DEV/LBTS 4 15,019 12,386 49,819 3,733 64573N TACT EMBEDDED COMP PROG 4 31,704 18,644 9,498 64576N ANYSOS-53C 4 1,216 47,944 50,893 64576N LINK BIRCH 4 1,200 5,169 7,522 64601N MINE DEVEL (ENG) 4 1,200 5,169 7,522 64603N MINGUIDED CONVENT A/L MPNS 4 7,229 16,214 8,207 64603N UNGUIDED CONVENT A/L MPNS 4 16,120 7,969 2,134 64603N AL GP/EG SENS DEVEL 4 16,120<	213	64561N	SUBMARINE (ENG)	4	200	1,921		
64563N SHPBD PHYS SECURITY (ENG) 4 2,567 2,349 64566N Acoustic comm (ENG) 4 2,567 78,064 101,275 6456N SHIP SUBSYS DEV/LBTS 4 120,887 78,064 101,275 6457N SHPBD EW IMPROV 4 15,019 12,386 49,819 6457N TACT EMBEDDED COMP PROG 4 31,704 18,644 9,498 6457N AN-SOS-53C 4 57,575 47,944 50,893 6457N INFLUENCE MOM 4 1,916 47,944 50,893 6457N LINK BIRCH 4 1,200 5,169 7,522 6460N MINE DEVEL (ENG) 4 12,697 12,433 18,414 6460N MINE DEVEL (ENG) 4 7,229 6,409 7,643 6460N WALE DEVEL (ENG) 4 7,229 16,214 8,207 6460N CAW WEAPONS 4 16,120 7,969 2,134 6460N CAW WEAPONS <th< td=""><td>214</td><td>64562N</td><td>SUB TAC W/F SYSTS (ENG)</td><td>4</td><td>34,425</td><td>46,944</td><td>41,894</td><td>46,141 U</td></th<>	214	64562N	SUB TAC W/F SYSTS (ENG)	4	34,425	46,944	41,894	46,141 U
6456AN ACOUSTIC COMM (ENG) 4 2,567 111 6456AN SHIP SUBSYS DEV/LBTS 4 120,887 78,064 101,275 111 6456AN NATO SEA GNAT 4 120,887 78,064 101,275 111 6457AN SHPBD EW IMPROV 4 15,019 12,386 49,819 6 6457AN TACT EMBEDDED COMP PROG 4 31,704 18,644 9,486 49,819 6 6457BN ANSAS-53C 4 57,575 47,944 50,893 4 6457BN LINK BIRCH 4 1,200 5,169 7,522 7,522 64601N MINE DEVEL (ENG) 4 12,697 4,643 1 1 64602N UNGUIDED CONVENT A/L WPNS 4 7,229 16,214 8,207 6460AN C/W WEAPONS 4 16,120 7,969 2,134 6460BN ALLIANS 4 16,120 7,969 2,134 6460BN ALLIANS 4	215	64563N	SHPBD PHYS SECURITY (ENG)	4		2,436	2,349	2,205 U
64567N SHIP SUBSYS DEV/LBTS 4 120,887 78,064 101,275 64569N NATG SEA GNAT 4 120,887 78,064 101,275 64573N SHPBD EW IMPROV 4 15,019 12,386 49,819 6457AN TACT EMBEDDED COMP PRGG 4 31,704 18,644 9,498 6457BN AIN/SOS-53C 4 57,575 47,944 50,893 6457BN LINK BIRCH 4 1,916 5,169 7,522 64601N MINE DEVEL (ENG) 4 1,206 5,169 7,522 64602N MAVAL GUNNERY IMPROVEMENT 4 7,229 16,214 8,207 64603N UNGUIDED CONVENT A/L WPNS 4 7,229 16,214 8,207 64604N C/W WEAPONS 4 16,120 7,969 7,969 2,134 64608N SAL GP/FG SENS DEVEL 4 16,120 7,969 7,969 2,134	216	64566N	ACGUSTIC COMM (ENG)	4	2,567			5
64569N NATÖ SEA GNAT 4 6,389 3,924 3,733 64573N SHPBD EW IMPROV 4 15,019 12,386 49,819 6457AN TACT EMBEDDED COMP PROG 4 31,704 18,644 9,498 6457AN AN/SOS-53C 4 57,575 47,944 50,893 6457BN INFLUENCE MCM 4 1,200 5,169 7,522 6457BN LINK BIRCH 4 1,200 5,169 7,522 6460IN MINE DEVEL (ENG) 4 12,697 12,433 18,841 64602N NAVAL GUNNERY IMPROVEMENT 4 7,229 6,409 4,643 64603N UNGUIDED CONVENT A/L WPNS 4 7,229 16,214 8,207 64603N C/W WEAPONS 4 7,229 16,214 8,207 64608N SAL GP/EG SENS DEVEL 4 16,120 33,651 45,511	217	64567N	SHIP SUBSYS DEV/LBTS	4	120,887	78,064	101,275	
64573N SHPBD EW IMPROV 4 15,019 12,386 49,819 64574N TACT EMBEDDED COMP PROG 4 31,704 18,644 9,498 64575N AN/S0S-53C 4 57,575 47,944 50,893 64576N INFLUENCE MCM 4 1,200 5,169 7,522 6450N MINE DEVEL (ENG) 4 1,200 5,169 7,522 64601N MINE DEVEL (ENG) 4 7,229 12,433 18,841 64603N UNGUIDED CONVENT A/L WPNS 4 7,229 16,214 8,207 64603N C/W WEAPONS 4 16,120 7,969 2,134 64608N SAL OP/EG SENS DEVEL 4 16,120 7,969 2,134	218	64569N		. 4	6,389	3,924	3,733	2,418 U
6457AN TACT EMBEDDED COMP PROG 4 31,704 18,644 9,498 64575N AN/SQS-53C 4 57,575 47,944 50,893 64576N INFLUENCE MCM 4 1,916 7,522 64578N LINK BIRCH 4 1,200 5,169 7,522 64601N MINE DEVEL (ENG) 4 12,697 12,433 18,841 64602N MANAL GUNNERY IMPROVEMENT 4 7,229 16,214 8,207 64603N UNGUIDED CGNVENT A/L WPNS 4 7,229 16,214 8,207 64604N C/W WEAPGNS 4 16,120 7,969 2,134 64608N SAL GP/EG SENS DEVEL 4 16,120 33,651 45,511	219	64573N	SHPBD EW IMPROV	4	15,019	12,386	49,819	61,203 U
64575N AN/SQS-53C 4 57,575 47,944 50,893 4 64576N Influence mcm 4 1,916 7,522 7,522 64578N LINK BIRCH 4 1,200 5,169 7,522 64601N MINE DEVEL (ENG) 4 12,697 12,433 18,841 1 64602N MAVAL GUNNERY IMPROVEMENT 4 7,229 6,409 4,643 1 64603N UNGUIDED CONVENT A/L WPNS 4 7,229 16,214 8,207 64604N C/W WEAPONS 4 9,500 7,969 2,134 4 64608N SAL GP/EG SENS DEVEL 4 16,120 33,651 45,511 4	220	64574N	TACT EMBEDDED COMP PROG	4	31,704	18,644	9,498	9,692 U
64576N InFLuence mcm 4 1,200 5,169 7,522 64601N Mine Devel (ENG) 4 12,697 12,433 18,841 1 64601N Mine Devel (ENG) 4 12,697 12,433 18,841 1 64602N NAVAL GUNNERY IMPROVEMENT 4 7,329 6,409 4,643 1 64603N UNGUIDED CONVENT A/L WPNS 4 7,229 16,214 8,207 64604N C/W WEAPONS 4 9,500 7,969 2,134 64608N SAL GP/EG SENS DEVEL 4 16,120 33,651 45,511 4	221	64575N	AN/SQS-53C	4	57,575	47,944	50,893	
64578N LINK BIRCH 4 1,200 5,169 7,522 64601N MINE DEVEL (ENG.) 4 12,433 18,841 1 64602N NAVAL GUNNERY IMPROVEMENT 4 739 6,409 4,643 1 64603N UNGUIDED CGINVENT A/L WPNS 4 7,229 16,214 8,207 64603N C/W WEAPONS 4 9,500 7,969 2,134 64608N SAL OP/EÖ SENS DEVEL 4 16,120 33,651 45,511 4	222	64576N	INFLUENCE MCM	4	1,916			
64601N MINE DEVEL (ENG) 4 12,697 12,433 18,841 1 64602N NAVAL GUNNERY IMPROVEMENT 4 739 6,409 4,643 1 64602N UNGUIDED CONVENT A/L WPNS 4 7,229 16,214 8,207 64603N C/W WEAPONS 4 9,500 7,969 2,134 64608N SAL GP/EG SENS DEVEL 4 16,120 33,651 45,511 4	223	64578N	LINK BIRCH	4	1,200	5, 169	7,522	4.154 U
64602N NAVAL GUNNERY IMPROVEMENT 4 739 6,409 4,643 64603N UNGUIDED CONVENT A/L WPNS 4 7,229 16,214 8,207 64604N C/W WEAPONS 4 9,500 7,969 2,134 64608N SAL GP/EG SENS DEVEL 4 16,120 33,651 45,511	224	64601N	MINE DEVEL (ENG)	4	12,697	12,433	18,841	19, 490 U
64603N UNGUIDED CÖNVENT A/L WPNS 4 7,229 16,214 8,207 64604N C/W WEAPONS 4 9,500 7,969 2,134 64608N SAL GP/EG SENS DEVEL 4 16,120 33,651 45,511	225	64602N	NAVAL GUNNERY IMPROVEMENT	4	739	6,409	4,643	11,764 U
64604N C/W WEAPONS 2,134 64608N SAL GP/EG SENS DEVEL 45,511 4 INCLASSIFIED PAGE N-11	226	64603N	UNGUIDED CONVENT A/L WPNS	4	7,229	16,214	8,207	7,254 0
64608N SAL GP/EG SENS DEVEL 45,511	227	64604N	C/W WEAPONS	4	9,500	7,969	2,134	D
PAGE	228	64608N	SAL GP/EC SENS DEVEL	4	16,120	33, 651	45,511	40,572 U
					i i	۵	AGE N-11	

UNCLASSIFIED

DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

DATE: 01 FEB 1984 EXHIBIT R-1 APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY ä

	2000					THOUSANDS OF	DOLLARS
LINE	ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	<u> </u> L	1 11	FY 1986 C
000	84800N	DAMD FILTE IMDERV		1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	1	3 (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	
N V	04009N	BUMB FUZE IMPROV	4	2,683	305	6,852	6,295 U
230	64610N	ALWT (ENG)	4	18,000	139, 251	147,316	163,243 U
231	64652N	GUN FCS IMP, PRGG	4	9,519			5
232	64654N	JÖINT SERV EØD DEV (ENG)	4	2,926.	3,174	4,034	4,174 U
233	64656M	MC ASSAULT VEHICLES	4			11,935	58,738 U
234	64657M	GRD COMBAT/SUP ARMS SYS	4	11,969	13,389	3, 553	9,71a U
235	64675N	MK 48 ADCAP (ENG)	4	1,59,884	180,940	127,551	64,427 U
236	64704N	CCEANGG INSTRUMENT SPT	4				1,770 U
237	64705N	CHALK BANYAM	4		4,000	10,657	5,934 U
238	64710N	NAVY ENERGY PRØGRAM (ENG)	4	15,574	22,178	11,180	12,517 U
239	64711N	COMMAND & CONTROL SYS(ENG)	4	13,697	19,484	53, 558	71,108 U
240	64713N	TACTAS (AN-SGR-19)	4	9,773	3,589		ב
241	64714N	AIR W/F TRAINING DEV	4	17,000	11,585	3,125	ס
242	64715N	SURFACE W/F TRAINING DEV	4	31,567	24,564	31,834	41,984 U
243	64716N	SUBMARINE W/F TRAINING DEV	4		577	486	Ð
244	64717M	COMBAT SERVICES SUPP	4	3,356	3,795	3,361	4,066 U
245	64718M	INTELL/ELECT W/F SYS	4	1,333	4,411	5,647	15,26a U
246	64719M	COMMAND/CONT/COMM SYS	4	31,770	19,663	32,771	18,226 U
247	64720M	TAC AIR GPER CENTRAL 85	4	10,150	4,774	6,056	כ
248	64725N	REGICINAL TACTICAL SURV	4	1,700	28,376	63, 666	24,324 U
249	64761N	INTELLIGENCE (ENG)	4	14,292	9,786	9,891	9,455 U

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DEPARTMENT OF THE NAVY

EXHIBIT R-1	9 1984
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Û	DATE: 01 FEB 1984
FY 1985 R D T & E PROGRAM	
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	+ EV
	TEST
	DEVELOPMENT TEST + EVAL, NAVY
	RESEARCH
	1319 N
	APPROPRIATION:

APPR	GPRIATION	APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY	NAVY	11 11 11 11 11 11 11 11 11 11 11 11 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DATE: 01	DATE: 01 FEB 1984
			1	 		THOUSANDS OF DOLLARS	F DØLLARS
LINE	ELEMENT	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
250	64771N	MEDICAL DEV (ENG)	4	2,314	1,889	2,471	2,506 U
251	64779N	JINTACCS	4	6,414	7,832	16,263	21,436 U
252	64780M	JINTACCS MC	4	1,817	6,459	5, 229	1,668 U
253	64789N	SURV TOWED ARRAY SENSOR	4				3,16a U
254	65155N	FLT TACT D&E	4	17,666	17,218	16,353	19,244 U
255	65803N	ELECTROMAG SPECTRUM MNGMT	4	3,881	5,297	4,118	2,297 U
256	65853N	MANAG & TECH SUPPORT	4	10,684	11,019	9,584	12,392 U
257	65867N	C2 SURV/RECGNN SPT	4	1,968	4,144	4,815	5,118 U
258	65871M	MC TAC EXPLOIT NAT CAP	4	508	399	427	543 U
259	24134N	A6 SQUADRENS	4	4,725	8,515	17,942	12,196 U
260	24136N	F/A-18 SQUADRONS	4		16,721	19,798	54,688 U
261	24152N	EARLY WARNING ACFT SQDNS	4	52,105	53,328	39,149	25,644 U
262	24161N	AVIATION SUPPORT CVW	4	3,108	6,914	3,021	1,928 U
263	24163N	FLT TELECOM (TAC)	4	23,087	32,747	75,346	80,361 U
264	24226N	PATROL COMBATANTS	4	200			495 U
265	24281N	SUBMARINES	4	6,432	7,300	5,443	3,956 U
266	24304N	MINES & MINE SUPPORT	4	1,481	894		ם
267	24311N	UNDERSEAS SURVEILLANCE SYS	4	49,975	48,111	29,725	32,537 U
268	24313N	SURTASS	4	6,985	478	5,751	7,287 U
269	24571N	SPECIAL PRØJECTS	4	7,142	15,137	14,886	14,449 U
270	24573N	NAVY COVER & DECEPT PROG	4	14,315	16,249	24,923	23,651 U
			Ñ	UNCLASSIFIED	L	PAGE N-13	

DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

			FY 1985 R D	R D T & E PROGRAM	M	EX	EXHIBIT R-1
APPR	APPROPRIATION	: 1319 N RESEARCH DEVELOPMENT TEST +	EVAL, NAVY			DATE: 01	FEB 1984
		1	[] [] [] []	[;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;		
LINE	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
271	24575N	ELECTRONIC WARFARE SPT	4	8, 169	8,164	14,254	19,028 U
272	24576N	COUNTER C3 DEV	4	9,530	11,201	30,189	27,691 U
273	25601N	HARM IMPROVEMENT	4		8,497	19,569	21,667 U
274	25604N	JTIDS	4	91,170	109,627	141,699	150,327 U
275	25620N	ASW COMBAT SYS INTEG	4	15,993	15,096	12,247	13,360 U
276	25623N	SURF SHP SONAR MODRNIZATN	4	5,976	3,359		כ
277	25624N	AN/SGR-18 TACTAS	4	4,890			5
278	25633N	ACFT EQ REL/MAINT PROG	4	7,617	6,727	8,455	8,860 U
279	25634N	SUBMARINE SILENCING	4	10,583	11,863	31,657	35,436 U
280	25645N	MODULR GLIDE WPN IMPR PROG	4	2,030	3,746		D
281	25658N	LAB FLEET SUPPORT	4	4,669	5,682	6,414	7,174 U
282	25662N	A/C PROPULSION EVAL GEN	4	2,835	3,055		D
283	25663N	A/C FLIGHT TEST GENERAL	4	1,134			ם
284	25667N	F-14 A	4	14,723	41,984	293,975	542,586 U
285	25670N	TACTICAL INTELL PROC SUP	4	1,942	1,910	2,037	2,078 U
286	25674N	EW COUNTER RESPONSE	4	12,653	23,394	44,111	58,278 U
287	25675N	GPERATIONAL REACTOR DEV	4	2,855	17,789	12,861	12,955 U
288	26313M	MARINE CORPS TELECOM	4	2, 121	5,014	5, 191	4,718 U
289	26623M	GRD COMBAT/SUP ARMS SYS	4	7,088	21,894	19,663	22,402 U
290	26624M	COMBAT SERVICES SUP	4	883	1,382	2, 253	2,291 U
291	26625M	INTELL/ELECT WARFARE SYS	4	777	583	576	1,170 U
				THE SOUND IN	Δ.	PAGE N-14	

DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

E FY 1986 C 6,091 U 11,864 U \supset 33,349 U 70,399 U 42,756 U 4,170 U 13,126 U 1,495 U 693 U 394 U 6,548,049 DATE: 01 FEB 1984 THOUSANDS OF DOLLARS EXHIBIT R-1 3,905 685 670 11,585 25,313 3,077 63,096 FY 1985 5, 223, 531 69,889 6,165 17,371 PAGE N-15 1,483 64,372 939 3,891,400 4,517 8,058 2,888 4,626 57,603 1,153 21,053 FY 1984 20,851 2,010 6,050 3,614,319 976 5,503 4,617 7,898 4,908 FY 1983 18,029 19,206 49,367 38,822 ACT Ю APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY I TEM NOMENCLATURE SATELLITE COMMUNICATIONS FIELD OPER INTELL OFFICE C2 SYSTS PLAN/ENG SUPP COMMAND/CONT/COMM SYS M/C TECH SUPT C/C SYS ADV NAVIG DEVELOPMENT TECH RECONN AND SURV LONG HAUL COMM(DCS) NAVIGATION SYSTEMS PRAIRIE SCHOONER 28010N TRI - AC-NAVY NAVSTAR GPS TACTICAL PROGRAMS 28010M TRI - AC-MC EHF SATCOM COMSEC 63518N 26626M 26627M 64514N PRØGRAM ELEMENT NUMBER 64777N 65866N 31303N 31326N 31327N 64577N 33109N 33126N 33401N N N N 295 298 306 292 293 296 299 300 303 305 302 304 294 297 301

DEPARTMENT OF THE NAVY 1985 R D T & E PROGRAM

EXHIBIT R-1

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY	
	APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

APPR	APPROPRIATION:	1: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY	NAVY			DATE:	
			1 2 1		1	THOUSANDS OF DOLLARS	1
L I NE NO	ELEMENT NUMBER	I TEM NOMENCLATURE		t		FY 1985	FY 1986 C
307	34111N	SPECIAL ACTIVITIES	ιΩ				
	INTELL	INTELLIGENCE AND COMMUNICATIONS		266, 835	337, 324	421,535	408,919
308	63728N	MANUFACTURING TECH	ω		49, 127		2
309	64208N	RANGE INST & SYS DEV	ω	10,498	9,403	20,273	21,246 U
310	64258N	TARGET SYSTEMS DEV	ဖ	44,727	56,429	84,197	119,332 U
311	64703N	TRNG & PERS SYS DEV	9	6,958	3,224	5, 636	3,736 U
312	64709N	JT MPWR/PERS PROTOS	ဖ	2,152			כ
313	65151M	STUDIES & ANAL SUP/MC	ø	1,354	1,815	2,199	2,308 U
314	65152N	STUDIES & ANAL SUP/NAVY	Ø	5,180	5,261	3,554	4,062 U
315	65153M	МСФАG	ø	2,755	2,679	2,960	3,659 U
316	65154N	CENTER FOR NAVAL ANAL/NAVY	ဖ	12,445	10,672	12, 525	14,517 U
317	65156M	MC GPERATIONAL TRE	ဖ	863	2,527	2,618	1,907 U
318	65502N	SML BUSINESS INNÖVATN RES	ω	3,805	16,300		ם
319	65804N	TECH INFG SERVICES	ω	1,745	1,633	2,216	2,576 U
320	65852N	AUTEC	ဖ	43,658	44,893	48,565	52,548 U
321	65854M	DEVELOPMENT CENTER SUPPORT	ဖ	2,276	3,712	3,946	4,130 U
322	65857N	INTERNATIONAL RDT&E	ω	1,799	1,512	1,869	2,133 U
323	65859N	MCBILE SEA RANGE	ω	3,261	2,642	5,724	8,147 U
324	65861N	RDT&E LAB & FAC MGMT SPT	ဖ	63,838	60,934	64,569	73,583 U
325	65862N	RDT&E INSTRUM & MATL SPT	ø	32,424	24,448	18,892	20,749 U
326	65863N	RDT&E SHIP & AIRCRAFT SPT	ဖ	67,893	65,738	84,737	92,638 U

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DEPARTMENT OF THE NAVY FY 1985 R D T & E PROGRAM

EXHIBIT R-1	DATE: 01 FEB 1984	
FY 1985 R D T & E PROGRAM	WENT TEST + EVAL, NAVY	
FY 1985	1319 N RESEARCH DEVELCPMENT TEST + EVAL, NAVY	
	APPROPRIATION:	

	PRØGRAM		;	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS	THOUSANDS OF DOLLARS
LINE	LINE ELEMENT	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	οQ 1
327	65864N	TEST AND EVAL SPT	ဖ	268,261	263, 692	288, 351	317,771 U
328	65865N	OTRE CAPABILITY	O	5,750	6,573	7,137	7,411 U
329	65870N	STRATEGIC SYSTEMS TEST SUP	ω	17,508			כ
330	65872N	PRØDUCTIVITY IMPRØVEMENT	O	4,510	4,055	3,532	1,789 U
331	35111N	WEATHER SERVICE	ဖ	1,186	1,543	1,402	1,741 U
332	35160N	DEF METEÖRÖLÖG SATELL PRÖG	ဖ	773	789	21,482	55,788 U
	DEFENS	DEFENSEWIDE MISSION SUPPORT		605,619	639, 601	686,384	811,771
TOTAL		RESEARCH DEVELÖPMENT TEST + EVAL, NAVY		6,100,131	7,571,718	9,826,076	11,676,119
			N _D	UNCLASSIFIED	. .	PAGE N-17	

AIR FORCE

DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

EXHIBIT R-1

	SUMMARY			
			THOUSANDS	ØF DØLLARS
	FY 1983	FY 1984	FY 1985	FY 1986
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	167.352	192,510	206.941	238 215
EXPLORATORY DEVELOPMENT	529 031	534 748	570 715	. K
ADVANCED DEVELOPMENT	938.140		2,295,016	2.781.810
ENGINEERING DEVELOPMENT	5.544,029	5,890,680	5,907,323	4,460,056
MANAGEMENT AND SUPPORT	740,302	788,662	894,835	923,038
	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1	1 1 1 1 1
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	7,918,854	8,754,581	9,874,830	9,024,687
OPERATIONAL SYSTEMS DEVELOPMENT	2,702,327	166, 12	527	4,696,032
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TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	10,621,181	12, 220, 706	14,401,955	13,720,719
SUMMARY RECAP OF BUDGET ACTIVITIES				
	696, 383	727,258	777,656	859, 783
ADVANCED TECHNÖLÖGY DEVELÖPMENT	415,312	557, 229	583,980	654, 183
STRATEGIC PROGRAMS	4,538,846	5,484,358	6,068,703	5,092,653
TACTICAL PROGRAMS	2,140,279	2, 201, 177	2,954,397	2,957,742
INTELLIGENCE AND COMMUNICATIONS	1,391,972	607,	2,018,033	2,269,075
DEFENSEWIDE MISSION SUPPORT	1,438,389	1,642,916	1,999,186	, 28
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	ŧ	1 1 1 1 1 1 1 1
TÖTAL RESEARCH DEVELÖPMENT TEST + EVAL, AIR FÖRCE	10,621,181	12, 220, 706	14,401,955	13,720,719
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES	474,606	423,563	409, 294	390,883
GENERAL PURPOSE FORCES	554,170	610,610	845,690	772,687
INTELLIGENCE AND COMMUNICATIONS	1,647,442	2, 351, 336	3,150,880	3,388,453
AIRLIFTSEALIFT	9,604	11,190	33,116	28,443
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	7,918,854	8,754,581	9,874,830	9,024,687
CENTRAL SUPPLY AND MAINTENANCE	13,649	-	78,095	105, 141
TRAINING MEDICAL AND GTHER	0	2,846	7,208	7,517
	000 (7	٠,	7,047	2, 300

PAGE F-1

13,720,719

14,401,955

12, 220, 706

10,621,181

RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

TOTAL

DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

EXHIBIT R-1

AIR FORCE APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL,

шО 19,755 U 56,625 U 66,382 U 52,217 U 63,808 U 20,827 U 218,460 U 40,456 U 80,394 U 27,105 U 45,416 U 45,170 U 49,074 U 84,872 U 10,049 U 4,810 U 29,623 U 24,106 U 21,887 U 10,484 U FY 1986 859, 783 DATE: 01 FEB 1984 THOUSANDS OF DOLLARS FY 1985 190,115 37,116 64,193 47,382 72,510 23,240 16,826 60,445 40,020 76,935 777,656 5,248 10,938 52,431 44,794 42,820 8,829 26,967 21,822 20,917 8,323 F-1-4 PAGE 727,258 2,985 4,975 55,893 69,613 35,210 13,069 61,192 42,114 25, 325 FY 1984 40,037 47,344 22,477 45,664 39,500 6,950 19,900 13,000 22,649 179,441 68,754 FY 1983 17,226 12,624 54,728 46,879 41,228 53,788 69,409 37,342 45,396 38,036 8,451 4,600 71,650 6,659 62,687 696, 383 9,068 21,845 38,731 16,561 ACT N Ω. RECON SENSORS/PROCESSING TECHNOLOGY ACFT PROPULSION SUBSYS INTEGRATION IN-HOUSE LAB INDEPENDENT RESEARCH AERØSPACE AVIØNICS/VHSI CIRCUITS LOGISTICS RESEARCH & DEV ROMTS AEROSPACE STRUCTURES/MATERIALS COMMAND/CONTROL/COMMUNICATION I TEM NOMENCLATURE DEFENSE RESEARCH SCIENCES AEROSPACE FLIGHT DYNAMICS TRAINING/SIMULATION TECH AEROSPACE BIOTECHNOLOGY CONVENTIONAL MUNITIONS FLT VEHICLE TECHNOLOGY PERS UTILIZATION TECH ADV AVICINICS FOR ACFT AEROSPACE PROPULSION ROCKET PROPULSION ADVANCED WEAPONS **GEOPHYSICS** MATERIALS TECHNOLOGY BASE PROGRAM ELEMENT NUMBER 61101F 63106F 61102F 62101F 62102F 62201F 62202F 62204F 62601F 62602F 62702F 62703F 62203F 62205F 62302F 63202F 63203F 63205F 63208F 63211F L I NE 0 7 13 4 5 16 20 8 9 17

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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

			FY 1985 R D	D T & E PROGRAM	AM	Ä	EXHIBIT R-1
APPF	APPROPRIATION:	3600 F RESEARCH DEVELÖPM	AIR FOR			DATE: 01	FEB 1984
	! ! ! ! ! ! !					THOUSANDS OF DOLLARS	F DØLLARS
I N	PROGRAM F FI FMFNT		t t				σ u
S Z		ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
2	63215F	AVIATION TURBINE FUEL TECHNOLOGY	Ø	669'8	4,642	4,289	8,719 U
22	63216F	ADV TURBINE ENGINE GAS GENERATÖR	Ø	27,579	25,132	25,454	34,460 U
23	63217F	SPECIAL PGWER SYSTEMS	Ø			1,000	2,990 U
24	63226F	DOD COMMON PROG LANGUAGE (ADA) ADV DEV	αi	8,320	7,762	8,055	7,624 U
22	63227F	ADVANCED SIMULATOR TECHNOLOGY	Ø	14,738	869'9	7,486	4,507 U
26	63231F	CREW SYSTEMS TECHNOLOGY	αı	1,800	6,866	10,726	13,634 U
27	63244F	ACFT NGN-NUCLEAR SURVIVABILITY	α		2,895	3,931	3,350 U
28	63245F	ADV FIGHTER TECH INTEGRATION	N	9,467	12,039	18,954	22,766 U
29	63250F	LINCGLN LABGRATORY	N	27,078	23,950	23,700	26,943 U
30	63253F	ADVANCED SYSTEM INTEGRATION DEMO	Ø	13,921	23, 523	33, 155	21,127 U
9	63259F	CARTOG APPLICATIONS-TAC & STRAT SYS	N			1,094	2,440 U
32	63302F	SPACE & MSL RØCKET PRØPULSIØN	N		1,273	5,547	12,302 U
33	63313F	ADV MSL SUBSYSTEMS DEMONSTRATION	C)			1,234	1,232 U
34	63314F	STRATEGIC LASER SYSTEMS TECHNÖLÖGY	Ø		46,243		כ
35	63319F	ADVANCED TECHNÖLÖGY CRUISE MISSILE	Ø		17,672	15,417	10,845 U
36	63363F	HYPERVELÖCITY MISSILE	Ø	892	970	2,994	5
37	63365F	SPACE BIOTECHNOLOGY	N			700	2,492 U
38	63401F	ADVANCED SPACECRAFT TECH	C)	4,339	6,283	30,726	28,913 U
39	63406F	ADV MILITARY SPACEFLIGHT TECHNÖLÖGY	CU			2,829	8,936 U
40	63410F	SPACE SYS ENVIRON INTERACTIONS TECH	Ø	1,000	1,045	3,730	5,063 U
4	63424F	MSL SURVEILLANCE TECH	CJ.		7,129	6,985	9,950 U

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EXHIBIT R-1 DATE: 01 FEB 1984 DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM APPRØPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FØRCE

	PRAGRAM					THOUSANDS OF DOLLARS	
LI NE		ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
42	63452F	VERY HIGH SPEED INTEGRATED CIRCUITS	N	66,004	120,109	119,978	102,91a U
43	63601F	CONVENTIONAL WEAPONS	Ø	19,177	18,000	21,749	28,687 U
4	63605F	ADVANCED RADIATION TECH	QI.	87,466	46,680	12,399	37,14G U
4	63704F	MANPOWER & PERSONNEL SYS TECH	Ø		962	2,039	2,247 U
46	63707F	WEATHER SYSTEMS	Ø		3,212	2,955	2,460 U
47	63718F	ELECTRÖNIC WARFARE TECHNÖLÖGY	Ø		20,136	22,105	25,683 U
48	63723F	CIVIL/ENVIRONMENTAL ENGR TECH	N	4,102	4,385	17,247	11,716 U
49	63726F	FIBER OPTICS DEVLOPMENT	N		2,702	3,053	3,946 U
20	63727F	ADVANCED COMMUNICATIONS TECHNOLOGY	8		3,824	4,838	5,003 U
5	63728F	ADVANCED COMPUTER TECHNOLOGY	Ø	3,457	6,858	6,672	0,983 U
52	63743F	ELECTRG-OPTICAL WARFARE	Ø	13,200	16,214	17,808	20,165 U
53	63745F	CHEMICAL WARFARE DEFENSE	a	5,577	4,554	3,824	4,301 U
54	63750F	CGUNTER/CGUNTERMEASURES -ADV DEV	Ø	5,991	7,960	10,444	12,734 U
52	63751F	INNOVATIONS IN EDUCATION/TRAINING	8	2,550	4,478	5,070	4,881 U
26	63752F	DOD SOFTWARE ENGINEERING INSTITUTE	Ø			7,983	11,940 U
57	63789F	CGMD/CNTRL/CGMM ADV DEV	Ø	19,330	14,365		33,351 U
	ADVANC	ADVANCED TECHNOLOGY DEVELOPMENT		415,312	557, 229	583,980	654, 183
28	63258F	COMMON STRATEGIC ROTARY LAUNCHER	ო	63, 625	63, 215	77,304	68,711 U
23	63303F	TRIM (T)	ო				2,956 U
09	63311F	ADVANCED STRATEGIC MISSILE SYSTEMS	ო	49,737	74,250	108,304	179,971 U
61	63312F	ADVANCED CÖNCEPTS	က				

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EXHIBIT R-1 DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

APPR	PPROPRIATION	APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL,	, AIR FORCE			DATE:	B 1984
	MAGGAG				1 1 1 1 1 1	THØUSANDS OF DØLLARS	t t
LINE		I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
			:			1 1 1 1 1 E	
62	63319F	ADVANCED TECHNÖLÖGY CRUISE MISSILE	တ	26,782			Þ
63	63364F	ADVANCED AIR TO SURFACE MISSILE	ო			54,418	127,994 U
64	63424F	MSL SURVEILLANCE TECH	ო	11,545			ס
65	63425F	ADVANCED WARNING SYSTEMS	ო	10,000	12,832		J
99	63428F	SPACE SURVEILLANCE TECHNOLOGY	ო	20,285	12,563		.
29	63716F	ATMOSPHERIC SURVEILANCE TECH	ო			4,908	6,887 U
68	63735F	WWMCCS ARCHITECTURE	ო	13,810	14,412	10,968	10,458 U
69	64221F	SPECIAL IMPROVEMENT PROJECTS	ო				
20	64226F	B-18	ო	753,500	737,200	508,277	375,234 U
71	64312F	ICBM MØDERNIZATIØN	ო	2,407,162	2,452,237	2,440,786	1,496,030 U
72	64326F	STRAGEGIC CONV STANDOFF CAPA (SASC)	ო		23,760	21,619	8,228 U
73	64361F	AIR LAUNCHED CRUISE MISSILE	ო	166,897	38,172	28,039	26,615 U
74	64406F	SPACE DEFENSE SYS	ო	213,291	203,568	143,278	101,731 U
75	64711F	SYSTEMS SURVIVABILITY (NUC AFFECTS)	ო	12,037	11,703	9,057	10,587 U
92	11113F	B-52 SQUADRØNS	ო	90,951	76,098	22,167	8,072 U
77	11135F	AIRCRAFT SURVIVABILITY ENHANCEMENTS	ო				
78	11142F	KC-135 SQUADRONS	ო	27,157	9,207	4,010	U 886
79	11213F	MINUTEMAN SQUADRØNS	ო	7,177	4,907	4,672	32,932 U
80	11312F	PACCS/WWABNCP SYS EC-135 CL V MODS	ო	17,087	4,455	799	927 U
8	11316F	SAC COMMUNICATIONS	ო	30,771	12,375	1,546	3,054 U
82	12310F	NCMC - TW/AA SYSTEMS	М	4,732	23,413	23,834	47,990 U

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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

EXHIBIT R-1

DATE: 01 FEB 1984

			l			THOUSANDS OF DOLLARS	
LINE		I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
83	12311F	NCMC - SPACE DEFENSE SYSTEMS	ო	24,211	46,964	52,253	70,478 U
84	12313F	BALLISTIC MSL TAC WNG/ATK ASSES SYS	ო	1,283	1,875	3,214	
82	12325F	JÖINT SURVEILLANCE SYSTEM	ო	1,187	762	1,802	1,069 U
98	12411F	SURVEILL RADAR STATIONS/SITES	ო	2,643	5,256	11,890	7,870 U
87	12412F	DEW RADAR STATIONS	က	8,000	24,537	63,094	
88	12417F	CONU OVER-THE HORIZON RADAR	ဇ	77,170	96,875	60,904	67,991 U
88	12423F	BALLISTIC MSL EARLY WNG SYSTEM	ო	10,262	10,699	10,016	9,574 U
90	12424F	SPACETRACK	ო	6,119	5,009	10,214	9,047 U
16	12431F	DEFENSE SUPPORT PROGRAM	ო	121,583	46,669	63,985	49.884 U
92	12432F	SLBM RADAR WARNING SYSTEMS	ო	2,370	3,719	12,219	13,324 U
93	12433F	SPACE DEFENSE INTERFACE NETWORK	ၟႜઌ	19,885	30,170	34,795	15,358 U
94	12436F	COMD CTR PROCESS/DISPLAY SYS	ო		2,966	11,661	19,136 U
92	12450F	SPACE DEFENSE OPS	ဗ	6,470			
96	32015F	NEAC /E-4B CL V MODS	ო		20,427	27,102	21,784 U
26	33131F	MINIMUM ESSENTIAL EMER COMM NETWORK	ო	46,691	107,751	116,900	68, 507 U
98	33154F	WWMCCS INFORMATION SYSTEM - JPMO	က	5,000	25,005	32,629	50,07a U
6	33601F	AIR FORCE SAT COMM SYS	ო	43, 129	177,552	141,592	114,801 U
100	33603F	MILSTAR COMM SAT SYSTEM	က	117,627	148,409	325,042	340,779 U
101	35155F	THEATER NUC WPN STORAGERSEC SYS	က		2,153	1,958	1.972 U
102	35158F	SATELLITE DATA SYSTEM	ო	7,886	7,548		
103	35172F	BERNIE	က				

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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

PRGGRAM ELEMENT NUMBER

LINE 200 35892F

104

63230F 63239F 63244F

105 106 107

63256F 63249F

108 109 63307F 63366F 63437F

110

111

63714F

114

63718F 63726F

115

116 117 118 119 120

63609F

112 113

249,830 U 6,898 U 5,101 U 24,397 U 932 U 10,335 U 9,542 FY 1986 986 5,092,653 DATE: 01 FEB 1984 THOUSANDS OF DOLLARS EXHIBIT R-1 FY 1985 1,086 6,068,703 94,287 3,735 4,426 20,024 1,885 19,324 3,794 FY 1984 5,484,358 3,711 34,650 3,601 13,499 4,538,846 20,010 6,572 FY 1983 2,011 5,206 17,999 3,911 11,697 2,864 13, 186 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE ACT ო JNT SERVICE ADV VERT LIFT ACFT (JVX) ADV TACTICAL AIR RECONNAISSANCE SYS ADVANCED COMMUNICATIONS TECHNOLOGY AIR BASE SURVIVABILITY & RECOVERY DOD PHYSICAL SECURITY EQ-EXTERIOR COMBAT IDENTIFICATION TECHNOLOGY ACFT NGN-NUCLEAR SURVIVABILITY ELECTRONIC WARFARE TECHNOLOGY I TEM NOMENCLATURE ADVANCED TACTICAL FIGHTER FIBER OPTICS DEVLOPMENT SPECIAL ANALYSIS ACTYS ADVANCED AIRCRAFT GUN NIGHT ATTACK PROGRAM ADV ATTACK WEAPONS STRATEGIC PROGRAMS HAVE DJINN

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4,439 U 3,270 U

994

066

2,003

3,318

25,395 U

25,809

18,810

12,967

ACFT AVIONICS EQUIPMENT DEVELOPMENT

JT SURV. TGT ATK RADAR SYS(JSTARS)

63770F 63749F

SPECIAL PROGRAMS

63801F 64201F

122 121

123

C3CM ADVANCED SYSTEMS

PAVE MOVER

63727F

63742F 63747F F-6

PAGE

DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		S
LINE	ELEMENT	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
124	64209F	F-100 DURABILITY	4		32,500	14,003	2,954 U
125	64212F	AIRCRAFT EQUIPMENT DEV	4	2,089	7,680	12,047	16,972 U
126	64218F	ENGINE MODEL DERIVATIVE PROG	4	35,734	58,513	9,198	21,950 U
127	64220F	EW COUNTER RESPONSE	4	21,315	28,903	23,917	36,293 U
128	64222F	NUCLEAR WEAPONS SUPPORT	4	2,298	1,912	1,947	2,080 U
129	64223F	ALTERNATE FIGHTER ENGINE	4	97,747	94,955	56,943	14,687 U
130	64231F	C-17 PRØGRAM	4	60,000	26,565	129,285	364,186 U
131	64247F	MODULAR AUTOMATIC TEST EQUIPMENT	4	33, 784	16,034	15,798	13,387 U
132	64249F	NIGHT PRECISION ATTACK	4	99,864	58,092	98, 338	43,615 U
133	64268F	ACFT ENGINE COMPONENT IMPROVE PROG	4	107,322	125,230	149,785	166,551 U
134	64302F	DEF SUPPRESSION WPNS ENG DEV	4			14,795	17,708 U
135	64313F	NEXT GENERATION TRAINER	4	52,045	122,260	77,977	55,916 U
136	64314F	ADV MED RANGE AIR TØ-AIR MSL	4	207,065	186, 735	217,749	103,401 U
137	64321F	JOINT TACTICAL FUSION PROGRAM	4	5,495	4,713	17,787	22,761 U
138	64324F	JOINT TACTICAL MISSILE SYSTEM	4			35, 509	86,571 U
139	64362F	GRD LAUNCHED CRUISE MSL	4	28, 331	36,167	18,654	Þ
140	64601F	C/B DEFENSE EQUIPMENT	4	16,465	15,415	18,222	13,193 U
141	64602F	ARMAMENT GRDNANCE DEVELOPMENT	4	19, 538	20,660	20,764	21,849 U
142	64604F	SUBMUNITIONS	4			48,677	38,776 U
143	64606F	JOINT TACTICAL MISSILE SYSTEM	4	24,750	9,821		כ
144	64607F	WIDE AREA ANTI ARMOR MUNITION	4	13,729	23,500	27,306	12,558 U
			3		ш	PAGE F-7	

DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

DATE: 01 FEB 1984 EXHIBIT R-1 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

	PROGRAM		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THØUSANDS OF DØLLARS	
LINE		ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
14	.64608F	CLOSE AIR SUPPORT WEAPONS SYSTEM	4	4,184	1,505		כ
146	64612F	LOW LEVEL LASER GUIDED BOMB	4	3,002			¬
147	64614F	MEDIUM RANAGE AIR TÖ-SURFACE MISSILE	4	42,352			ב
148	64616F	JSTARS	4	29, 328	41,019		ם
149	64617F	AIR BASE SURVIVABILITY & RECOVERY	4		6,106	18,092	23, 992 U
150	64703F	AERGMEDICAL SYSTEMS DEVELOPMENT	4		3,824	7,007	9,726 U
151	64706F	LIFE SUPPORT SYSTEM	4	12,013	14,689	15,649	19,852 U
152	64708F	OTHER OPERATIONAL EQUIPMENT	4	19,203	9,956	22,846	21,469 U
153	64710F	RECONNAISSANCE EQUIPMENT	4	5,088	8,382	9, 631	25,372 U
154	64715F	DØD PHYSICAL SECURITY EQ-EXTERIØR	4	19,095	14,969	12, 562	13,214 U
155	64724F	TAC C3 COUNTER MEASURES	4	24,626	28,237	28,100	23,941 U
156	64725F	COMBAT IDENTICATION SYSTEMS	4	18,800	23,645	16,046	31,454 U
157	64733F	SURFACE DEF SUPRESSION	4	5,705	9,405	24,533	18,396 U
158	64737F	AIRBORNE SELF PROTECTION JAMMER	4	47,426	41,819	29, 149	11,467 U
159	64738F	PRÖTECTIVE SYSTEMS	4	108,222	48,468	48,565	52,239 U
160	64739F	TACTICAL PROTECTIVE SYSTEMS	4	26,493	33, 237	86,631	62,779 U
161	64740F	COMPUTER RESOURCES MGT TECH	4	4,297	6,297	12,358	15,454 U
162	64742F	PRECISION LOCATION STRIKE SYSTEM	4	78,727	69,027	82,996	63,344 U
163	64750F	INTELLIGENCE EQUIPMENT	4	14,812	12,675	15,255	15,020 U
164	64753F	COMBAT HELICOPTER MODERNIZATION	4	27,222	36, 222	81,306	28,986 U
165	64754F	JT TAC INFO DIST SYS	4	52,513	45,540	86,703	95,280 U

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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

			FY 1985 R D	D T & E PROGRAM	AM	EX	EXHIBIT R-1
PPR	APPROPRIATION:	: 3600 F RESEARCH DEVELOPMENT TEST + EVAL,	, AIR FORCE			DATE:	01 FEB 1984
1 1 1		111111111111111111111111111111111111111		. - - -		THOUSANDS OF DOLLARS	1
LINE	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984		FY 1986 C
166	64786F	SIDE LÖCKING AIRBORNE RADAR (SLAR)	4	30,492	23,644	24,547	22,102 U
167	64770F	JSTARS	4			94,966	110,56a U
168	64779F	JT INTEROPERABILITY TAC COMD/CNTRL	4	3,837	5,410	13,452	9,342 U
169	11133F	SR-71 SQUADRØNS	4				
170	27128F	F-4 SQUADRONS	4				13,895 U
171	27129F	F-111 SQUADRONS	4	38,190	75,240	71,942	46,259 U
172	27130F	F-15 SQUADRONS	4	115,212	107,605	82,867	34,339 U
173	27131F	A-10 SQUADRONS	4	6,000	2,639	4,108	3,170 U
174	27132F	FIGHTER DERIVATIVE	4		19,315	146,950	244,226 U
175	27133F	F-16 SQUADRONS	4	71,933	104,412	83,428	44,756 U
176	27136F	F-40 WILD WEASEL SQUADRONS	4	20,000	37,620	55,267	40,505 U
177	27162F	TACTICAL AGM MISSILES	4	4,790	4,065	3,695	ם
178	27247F	AIR FÜRCE TENCAP	4	285	271	260	255 U
179	27411F	OVERSEAS AIR WEAPON CONT SYS	4	2,896	3,280	3,154	3,135 U
180	27412F	TACTICAL AIR CONTROL SYSTEM	4	21,775	8,553	28,397	22,870 U
181	27417F	AIR BORNE WARNING & CONTROL SYS	4	66,980	63,360	76,595	101,951 U
182	27423F	ADV COMM SYS	4	12,079	38,720	86,963	116,576 U
183	27431F	TAC AIR INTELL SYS ACTYS	4	8,243	1,439	1,579	2,95a U
184	27435F	TACTICAL RECON IMAGERY EXPLOITATION	4			1,156	2,460 U
185	27584F	SEEK AXLE	4				
186	27585F	SEEK SPINNER	4	28,900	30,574		

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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

			FY 1985 R	NDT & E PROGRAM	RAM		EXHIBIT R-1
APPF	APPRÖPRIATIÖN:	3600 F RESEARCH DEVELCHMENT TEST + EVAL,	AIR FORCE			DATE:	01 FEB 1984
					1 1 1 1 1 1 1 1 1 1	THOUSANDS	THØUSANDS OF DOLLARS
LINE	ELEMENT	ITEM NOMENCLATURE		FY 1983	FY 1984	FY 1985	FY 1986 C
187	27591F	OMEGA	4			,	1 1 1 1 1 1 1 1
188	27595F	BASE COMM - TACTICAL AIR FORCES	4		476	9	280
189	28010F	JT TACTICAL COMM PROG (TRI-TAC)	4	. 47,614	20.587	11, 467	
190	28041F	JOINT ADVANCED SYSTEMS	4				
191	28042F	HAVE FLAG	4				
192	33605F	SATELLITE COMMUNICATIONS TERMINALS	4			2.860	2 735 11
193	35887F	ELECTRÖMAGMETIC COMBAT INTEL SPT	4	1,523	1,822	1,928	
194	41115F	C-130 AIRLIFT SQUADRØNS (IF)	4	4	461	789	
195	41118F	C-141 AIRLIFT SQUADRØNS (1F)	4		3,118) =
196	41119F	C-5 AIRLIFT SQUADRONS (IF)	4	7,327	4,384) =
197	41129F	THEME CASTLE	ঘ				
198	41314F	CPERATIONAL SUPPORT AIRLIFT	4	2,277			=
199	41840F	MAC COMMAND/CONTROL SYS	4		3.227	4.413	2000
200	41841F	WWMCCS ADP MAC	4				
	TACTIC	TACTICAL PROGRAMS		2,140,279	2,201,177	2,954,397	2,957,742
201	63431F	SPACE COMMUNICATIONS	ល	36,849	39, 525	44,413	51,070 U
202	64778F	NAVSTAR GPS USER EQUIPMENT	ល	122,568	94,757	60.970	35 940
203	27582F	HAVE TRUMP	מו				
204	31305F	INTELLIGENCE PRODUCTION ACTIVITIES	ıo				
205	31310F	FØREIGN TECHNØLØGY DIVISON	വ				
206	31314F	INFRARED PRØCESSING + EXPLØITATIØN	ю		243		

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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

EXHIBIT R-1

7,302 U 8,179 U **-**3,095 U 72,983 U 25,825 U 7,517 0 3,104 U \supset \supset ШΟ 57,005 11,543 22,900 2,269,075 8,098 FY 1986 DATE: 01 FEB 1984 THOUSANDS OF DOLLARS 2,479 3,409 11,766 9,060 2,018,033 71,500 5,519 31,629 9,329 7,764 33,464 7,208 FY 1985 6,075 6,709 495 6,123 10,278 39,836 7,051 1,336,270 25,243 2,846 1,607,768 70,356 29, 511 1,073 1,527 2,780 FY 1984 3,638 12,648 64,573 20,525 2,000 1,996 7,337 1,126,200 4,195 1,391,972 41,933 1,621 FY 1983 13,237 651 APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE ACT ø ယ ø ဖ INTEG OPERATIONAL NUDETS DETECT SYS TRAFFIC CNTRL/APPROACH/LANDING SYS INTEL COMM & DEF SPEC SECURITY SYS ELECTROMAG COMPATIBILITY ANAL CTR MISSILE AND SPACE TECH COLLECTION NAVSTAR GPS (SPACE/GRD SEGMENTS) NAVSTAR GLØBAL PØS SYS (USER EQ) LONG HAUL COMMUNICATIONS (DCS) SATELLITE SYS SURVIVABILITY I TEM NOMENCLATURE TECHNICAL SENSOR COLLECTION GEN INTELLIGENCE SKILL TNG INTELLIGENCE AND COMMUNICATIONS COMMUNICATIONS SECURITY ADV AERIAL TARGETS DEV SENIOR YEAR OPERATIONS DEF SATELLITE COMM SYS CONCEPT DEVELOPMENT SPACE TEST PROGRAM SPECIAL ACTIVITIES WEATHER SYSTEMS FOREST GREEN 63248F 63707F 35164F 63402F 64211F 35114F 35165F 84733F 63438F PROGRAM ELEMENT NUMBER 33144F 33401F 34111F 31315F 31339F 33110F 33126F 31316F 31317F 31324F 31357F LINE 220 222 224 223 225 226 218 219 209 210 211 212 213 214 215 216 217 221 207 208

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DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

EXHIBIT R-1

S E C 49,680 U 4,330 U b \supset 1,494 U \supset \supset 367,063 U 451,971 U 3,981 U 145,909 U 134,147 U 15,154 U 9,12G U 35,307 U 3,450 U 17,345 U 7,614 0 FY 1986 72,086 19,560 01 FEB 1984 THOUSANDS OF DOLLARS DATE: 149,880 7,585 16,771 8,749 354,130 FY 1985 7,811 3,631 6,139 345,764 8,283 75,054 16,766 7,137 3,308 437,464 47,511 PAGE F-12 4,950 7,130 309,719 333,988 8,030 63,500 5,945 387,648 5,815 24,279 16,463 5,025 2,363 1,980 FY 1984 17,864 53,704 4,433 7,443 6,007 5,737 7,016 840 26,962 35,468 6,225 281,950 363,520 FY 1983 356, 334 15,992 6,251 16,721 APPRGPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE ACT ဖ ဖ ဖ ω LOGISTICS TECH FOR WEAPONS SYSTEMS RANCH HAND II EPIDEMICLOGY STUDY ELECTROMAG RADIATION TEST FACIL ACQUISITION AND COMMAND SUPPORT AUDIOVISUAL ACTIVITIES - R & D IMPROVED CAPABILITY FOR RDT+E SMALL BUSINESS INNOVATION DEV NAV/RADAR/SLED TRACK TEST SPT FLIGHT SIMULATOR DEVELOPMENT I TEM NOMENCLATURE ADV SYS ENGINEERING/PLAN PRØDUCTIVITY IMPRØVEMENT TEST AND EVALUATION SPT TELECOM RDT&E AIRCRAFT SUPPORT PROJECT AIR FORCE RANGE IMPROVEMENT WEATHER SYSTEMS SPACE SHUTTLE ACQ/COMD SPT PROGRAM ELEMENT NUMBER 64707F 65101F 64227F 64411F 64747F 64755F 65304F 65708F 65806F 64609F 64735F 65502F 65807F 65808F 65863F 65306F 65872F 65890F LI NE 230 228 229 232 233 235 236 238 240 227 234 237 239 242 243 244 231 241

DEPARTMENT OF THE AIR FORCE FY 1985 R D T & E PROGRAM

		THE PERSONNEL PERSONNEL PROPERTY OF THE PERS	EVAL, AIK FURCE	11 11 11 11 11 11 11 11 11 11 11 11 11		DATE: 0	DATE: 01 FEB 1984
	PROGRAM		1		1	THOUSANDS	S
L I NE	ELEMENT	I TEM NOMENCLATURE	ACT	 	FÝ 1984	FY 1985	FY 1986 C
245	65898F	MGT HQ (RESEARCH/DEV)	ဖ	37,354			
246	33151F	WWMC S - ADP	ω			680	4,731 U
247	35110F	SATELLITE CONTROL FACILITY	ω	60,219	71,725	99,224	53,850 U
248	35119F	SPACE BOOSTERS	ဖ	15,011	15,441	20,356	8,962 U
249	35130F	CONSOLIDATED SPACE OPERATIONS CENTER	ဖ	27,526	70,677	72,698	89,289 U
250	35160F	DEF METEGRØLØGICAL SATELLITE PRØG	ဖ	23,072	25,270	42,566	76,651 U
251	35171F	SPACE LAUNCH SUPPORT	Φ	16,419	34,180	93, 835	115,975 U
252	71112F	INVENTORY CONTROL POINT OPERATIONS	ω.			1,371	14,274 U
253	78011F	INDUSTRIAL PREPAREDNESS	ω	1,977	49,005	61,859	71.129 U
254	78019F	UTAH TESTING + TRAINING RANGE	ဖ	1,991	2,207		
255	78026F	PRODUCT/RELIABLE/AVAIL/MAINTAIN PROG	ဖ	9,681	12,646	14,865	19.747 U
256	01004F	INTERNATIONAL ACTIVITIES	ဖ	2,856	2,722	2,842	2,908 U
	DEFENS	DEFENSEWIDE MISSION SUPPORT		1,438,389	1,642,916	1,999,186	1,887,283
TÖTAL		RESEARCH DEVELØPMENT TEST + EVAL, AIR FØRCE		10,621,181	12, 220, 706	14,401,955	13,720,719
,							

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DEFENSE AGENCIES

DEFENSE AGENCIES FY 1985 R D T & E PROGRAM

EXHIBIT R-1

	SUMMARY		DATE: 01	FEB
5		3	THOUSANDS OF	OF DOLLARS
	FY 19	FY 1	FY 19	FY 1
SUMMARY RECAP OF RESEARCH CATEGORIES		1	ı	! !
RESEARCH	106,058	110,367	104,374	121,291
EXPLORATORY DEVELOPMENT	927, 292	756,895	728,827	925,954
ADVANCED DEVELOPMEN! FNG:NEER:NG DEVELOPMENT	16,588	356,176	2,027,447	4, 032, 033 8, 668
MANAGEMENT AND SUPPORT	4	0)	Φ	114,647
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	1,116,826	1,325,095	2,958,613	5,202,593
OPERATIONAL SYSTEMS DEVELOPMENT	1,036,363	1,442,325	1,749,293	1,888,658
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,153,189	2,767,420	4,707,906	7,091,251
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	1,033,350	867,262	832,688	1,046,193
ADVANCED TECHNOLØGY DEVELØPMENT	100	335,497	1,993,311	4,002,243
SIKAIEGIC PROGRAMS TACTICAI PROGRAMS	94,961	2.060	2, 134	20, 702
INTELLIGENCE AND COMMUNICATIONS	974,009	1,382,181	1,708,531	1,851,941
DEFENSEWIDE MISSION SUPPORT	60,169	103,943	111,798	134,049
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,153,189	2,767,420	4,707,906	7,091,251
SUMMARY RECAP OF FYDP PROGRAMS				
	200	2,060	2.134	2.123
o	1,033,663	1,438,110	1,746,239	1,884,579
RESEARCH AND DEVELCHMENT (FYDP PROGRAM 6)	1,116,826	1,325,095	2,958,613	5, 202, 593
SOFFOR OF CIRER NATIONS	2,000	661,2	028	908 (-
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	2,153,189	2,767,420	4,707,906	7,091,251
SUMMARY RECAP OF DEFENSE AGENCIES				
	70.300	130, 142	207.444	
DEPARTMENT OF DEFENSE (OSD AND GASDS)	29,119	95, 993	1,846,112	3,862,559
DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	728,600	864,052	714,530	886,912
NUCLEAR AGENCY	314,000	321,458	347,014	389,102
	24	318,186	:	
DEFENSE COMMUNICATIONS AGENCY	109,575	104,404	81,770	74,082
	20,000	21,550	26,256	39,478
UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES	008,1	/9/ 1	1,8/4	198,1
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	153,	~	4,707,906	0

DEFENSE AGENCIES FY 1985 R D T & E PRÖGRAM

EXHIBIT R-1

PPR	APPROPRIATION:	APPRGPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF	DEF AGENCIES	S	4	DATE: 01 FEB	FEB 1984
- N	PROGRAM FI FMENT		i	1 1 2 2 1 1 2 4 2		THOUSANDS OF DOLLARS	JF DØLLARS
N N		ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
_	61101E	DEFENSE RESEARCH SCIENCES	-	104,258	108,600	102,500	119,300 U
N	61101W	IN-HOUSE LAB INDEPENDENT RESEARCH	-	1,800	1,767	1,874	U 166,1
e	62101E	TECHNICAL STUDIES	-	1,000	1,200	1,500	1,800 U
4	62107E	THIRD GENERATION DEFENSE TECHNOLOGY	-		8,000		ח
D	62301E	STRATEGIC TECHNOLGGY	-	163,897	205, 500	150,700	249,700 U
ø	62702E	TACTICAL TECHNÖLÖGY	-	83, 853	99,437	109,000	131,000 U
1	62707E	PARTICLE BEAM TECHOLOGY	-	36,277	33,100	17,400	32,400 U
00	62708E	INTEGRATED COMD/CONTROL TECH	-	, 48,407	48,000	53,000	57,400 U
တ	62711E	EXPERIMENTAL EVAL MAJ INNOVATIVE TECH	_	244,770			כ
10	62712E	MATERIALS PRÖCESSING TECH	-	17,153	23,700	29,200	37,100 U
11	62714E	NUCLEAR MONITORING	-	17,935	16,500	20,500	26,400 U
0	62715H	DEFENSE NUCLEAR AGENCY	-	314,000	321,458	347,014	389,102 U
	TECHNÖLÖGY	-dgy base		1,033,350	867,262	832,688	1,046,193
9	63220D	SURVIELLANCE, ACQUISTION AND TRACK	N	,	10,000	721,000	1,491,200 U
4	63221D	DIRECTED ENERGY	Ø	ı	10,000	489,000	1,020,000 U
S	63222D	CONVENTIONAL WEAPONS	N		10,000	356,000	870,300 U
16	63223D	SYSTEMS CONCEPT AND MANAGEMENT	N		10,000	000'66	137,500 U
17	63224D	SUPPORT PROGRAMS	N		10,000	112,000	270,800 U
18	63225D	JOIN DOD-DOE MUNITIONS TECH DEV	Ø			10,000	10,000 U
			ONO	UNCLASSIFIED		PAGE D-1.4	

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DEFENSE AGENCIES
FY 1985 R D T & E PROGRAM

		F	DEFENSE 1985 R	E AGENCIES D T & E PROGRAM	АМ	Û.	EXHIBIT R-1
APPR	MOPRIATION	0400 D RESEARCH DEVELOPMENT TEST +	EVAL, DEF AGENCIES			DATE: 01	01 FEB 1984
	1		; t t t t	: : :	[1 i
L I NE	PRØGRAM ELEMENT NUMBER	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
			:	1 1 1 1 1			1
19	63226E	EXP EVAL OF MAJOR INNOVATIVE TECH	N		283,615	204,300	200,000 U
20	35108K	COMMAND AND CONTROL RESEARCH	N		1,882	2,011	2,443 U
	ADVANC	ADVANCED TECHNÖLÖGY DEVELÖPMENT			335,497	1,993,311	4,002,243
22	63735K	WWMCCS ARCHITECTURE	ო	1,262	1,227		5
22	32016K	NMCS-WIDE SUPPORT	ဗ	8,490	15,317	12,064	9,803 U
83	32017K	WWMCCS ADP-JTSA	ო	22,861	7,868	1,530	Þ
24	32019K	WWMCCS SYSTEM ENGINEER	ო	42,503	39,452	30,637	28,994 U
25	33131K	MINIMUM ESSENTIAL EMER COMM NETWORK	ტ	9,845	12,613		
	STRATE	STRATEGIC PREGRAMS		84,961	76,477	59,444	54,702
26	21135K	CINC C2 INITIATIVES	4	700	2,060	2,134	2,123 U
27	62716B	MAP/CHART/GE©DESY	ın			513	1,052 U
28	63701B	MAP/CHART/GEGDESY INV/PROTOTYPE DEV	ιo	15,326	15,634	14,961	14,787 U
29	64701B	MAP/CHART/GEØDESY ENGR DEV/TEST	n)	8,719	5,569	8,273	8,668 U
30	310116	CRYPTOLOGIC ACTIVITIES	ιΩ	,			
31	31301L	GENERAL DEFENSE INTELLIGENCE PROGRAM	LO.				
32	31398L	MANAGEMENT HEADQUARTERS GDIP	ເດ	233	339		כ
33	33126K	LONG-HAUL COMMUNICATIONS (DCS)	ហ	19,424	20,866	6,937	10,192 U
34	33127K	SUPPORT OF THE NCS	ID.	4,490	3,119	8,244	4,622 U
35	334016	COMMUNICATIONS SECURITY	D				
36	35139B	DMA EXPLEITATION PROGRAM	Ю			165,407	241,675 U

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DEFENSE AGENCIES FY 1985 R D T & E PROGRAM

EXHIBIT R-1	DATE: 01 FEB 1984
FY 1985 R D T & E PROGRAM	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

	MAGGAG			1	1 1 1 1 1 1 1 1	THOUSANDS OF DOLLARS	1
LI NE		I TEM NOMENCLATURE	ACT	FY 1983	FY 1984.	FY 1985	FY 1986 C
37	35140L	EMERGENCY PREPAREDNESS	Ю		009	3,950	783 U
38	35159B	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	ın	46,255	108,939	18,290	
39	351591	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	ro	124,120	318,186	380,713	
40	351679	COMPUTER SECURITY	ıo				
4	35884L	INTEL PLAN AND REVIEW ACTYS	Ŋ				
9	358856	TACTICAL CRYPTOLOGIC ACTIVITIES	D				
	INTELL	INTELLIGENCE AND COMMUNICATIONS		974,009	1,382,181	1,708,531	1,851,941
4	63702D	SPECIAL TECHNOLOGY OFFICE/USDR&E	ဖ		4,700	7,950	4,964 U
4	63703D	COUNTER INSURGENCY & SPECIAL TECH	ø			10,136	2,482 U
4	637058	MANUFACTURING TECHNOLOGY	ω		1,000	3,100	10,000 U
9	65104D	TECHNICAL SUPPORT TO USDR/E	ω	14,568	28,170	21,421	28,037 U
47	651060	GENERAL SUPPORT FOR PA/E	ဖ	1,825	1,959	3,231	5,314 U
8	65107D	SUPPORT TO POLICY	9	5,294	2,938	7,714	10,227 U
9	65108D	GENERAL SUPPORT FOR NET ASSESSMENT	9	3,097	3,721	4,801	5,375 U
20	65109D	GENERAL SUPPORT FOR MRA/L	ဖ	2, 335	2,350	2,939	4,404 U
5	65112E	TECHNICAL ANALYTICAL SUPPORT	ω			15,000	20,000 U
25	65502E	SMALL BUSINESS INNOVATIVE RESEARCH	ω	009			5
53	658018	DEFENSE TECHNICAL INFO CENTER	ω	16,000	16,235	18,988	24,467 U
54	658028	INFORMATION ANALYSIS CENTERS	ဖ	4,000	4,315	4,168	5,011 U
22	65805E	TRI-SERVICE NATL LASER TEST RANGE	ဖ		25,000		ם
			Ž	UNCLASSIFIED		PAGE D-3	

		Ĺ	DEFEN Y 1985	DEFENSE AGENCIES FY 1985 R D T & E PRÓGRAM	АМ	.	EXHIBIT R-1
APPRO	PRIATION	APPRØPRIATIÖN: 0400 D RESEARCH DEVELØPMENT TEST + EVAL, DEF AGENCIES	EF AGENCI	ES		DATE: 0	DATE: 01 FEB 1984
1 1 1						THOUSANDS	THOUSANDS OF DOLLARS
LI NO	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
26	65898E	MGT HQ (RESEARCH/DEVELOPMENT)	ω	10,450	11,400	11,430	11,812 U
22	010150	01015D TECHNØLØGY TRANSFER FUNCTIÖNS	9	2,000	2,155	920	1,956 U
	DEFENS	DEFENSEWIDE MISSION SUPPORT		60,169	103,943	111,798	134,049
TOTAL		RESEARCH DEVELOPMENT TEST + EVAL,DEF AGENCIES		2,153,189	2,767,420	4,707,906	7,091,251
			S	UNCLASSIFIED		PAGE D-4	

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DEFENSE AGENCIES FY 1985 R D T & E PROGRAM

SUMMARY

THOUSANDS OF DOLLARS

	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		TOUSENEDS OF DOLLARS
	FY 1983	FY 1984	FY 1985	FY 1986
SUMMARY RECAP OF RESEARCH CATEGORIES				
MANAGEMENT AND SUPPORT	55,000	49,000	62,000	72,055
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	55,000	49,000	62,000	72,055
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	55,000	49,000	62,000	72,055
SUMMARY RECAP OF BUDGET ACTIVITIES				
DEFENSEWIDE MISSIGN SUPPORT	55,000	49,000	62,000	72,055
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	55,000	49,000	62,000	72,055
SUMMARY RECAP OF FYDP PROGRAMS				
RESEARCH AND DEVELCPMENT (FYDP PROGRAM 6)	55,000	49,000	62,000	72,055
TÖTAL DIRECTÖR ÖF TEST + EVALUATIÖN, DEFENSE	55,000	49,000	62,000	72,055

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DEFENSE AGENCIES FY 1985 R D T & E PROGRAM

ACT			DEFENSE AGENCIES FY 1985 R D T & E PROGRAM	Σ	(i) (i)	EXHIBIT R-1
ACT FY 1983 FY 1984 FY 1985 6 11,600 10,800 12,000 6 43,400 38,200 50,000 55,000 49,000 62,000	APPROPRIATION: 0450 D DIRECTOR OF TEST	+ EVALUATION, DEFENSE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DATE: 01	FEB
ACT FY 1983 FY 1984 FY 1985 6 11,600 10,800 12,000 6 43,400 38,200 50,000 55,000 49,000 62,000		,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THOUSANDS	JF DÖLLARS
6 43,400 38,200 50,000 55,000 49,000 62,000 55,000 49,000 62,000	ITEM NOMENCLATURE		FY 1983	FY 1984	FY 1985	FY 1986
55,000 49,000 62,000 55,000 49,000 62,000	65111D FØREIGN WEAPONS EVALUATION		11,600	10,800	12,000	13,655
55,000 49,000 62,000 55,000 49,000 62,000	65804D TEST AND EVALUATION	ဖ	43,400	38,200	50,000	58,400 U
55,000 49,000 62,000	DEFENSEWIDE MISSION SUPPORT		55,000	49,000	62,000	72,055
	DIRECTØR ØF TEST + EVALUATIØN, DEFENSE	EFENSE	55,000	49,000	62,000	72,055

DEFENSE MAPPING AGENCY FY 1985 R D T & E PRÖGRAM

EXHIBIT R-1

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!			1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		THOUSANDS OF DOLLARS	1
N N N	NUMBER	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
27	62716B	MAP/CHART/GEGDESY	Ω			513	1.052 11
28	63701B	MAP/CHART/GEGDESY INV/PRGTGTYPE DEV	ıo	15,326	15,634	14,961	14.787 U
59	64701B	MAP/CHART/GEGDESY ENGR DEV/TEST	ıo	8,719	5, 569	8,273	B 868 B
36	35139B	DMA EXPLOITATION PROGRAM	ī			165.407	241 675 11
38	35159B	DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	D	46,255	108.939	780	
	INTELL	INTELLIGENCE AND COMMUNICATIONS		70,300	130,142	207,444	
TOTAL		DEFENSE MAPPING AGENCY		70,300	130,142	207,444	
					<u>a</u>	PAGE D-7	

DEPARTMENT OF DEFENSE (OSD AND GASDS) FY 1985 R D T & E PROGRAM

		ä	EPARTMENT ÖF FY 1985	DEPARTMENT OF DEFENSE (OSD AND OASDS) FY 1985 R D T & E PROGRAM	(AM		EXHIBIT R-1
APPR	APPROPRIATION:	0400 D RESEARCH DEVELOPMENT TEST &	EVAL DEF AGENCI	CIES		DATE: 01	FEB 1984
3 1 1	X < 000	111111111111111111111111111111111111111				THCUSANDS CF	DOLLARS
LINE		I TEM NOMENCLATURE	ACT	FY 198	7	FY 1985	FY 1986 C
13	63220D	SURVIELLANCE, ACQUISTION AND TRACK	N		10,000	721,000	1,491,200 U
4	632210	DIRECTED ENERGY	N		10,000	489,000	1,020,000 U
15	63222D	CONVENTIONAL WEAPONS	Q		10,000	356,000	870,300 U
16	63223D	SYSTEMS CONCEPT AND MANAGEMENT	Ø		10,000	000'66	137,500 U
17	63224D	SUPPORT PROGRAMS	N		10,000	112,000	270,800 U
18	63225D	JOIN DOD-DOE MUNITIONS TECH DEV	Ø			10,000	10,000 U
	ADVANCE	ADVANCED TECHNÖLÖGY DEVELÖPMENT			1	1,787,000	3,799,800
8	63702D	SPECIAL TECHNOLOGY OFFICE/USDR&E	ω	•	4,700	7,950	4,964 U
44	63703D	COUNTER INSURGENCY & SPECIAL TECH	ဖ			10,136	2,482 U
46	65104D	TECHNICAL SUPPORT TO USDR/E	ဖ	14,568	28,170	21,421	28,037 U
47	65106D	GENERAL SUPPORT FOR PA/E	ဖ	1,825	1,959	3,231	5,314 U
48	65107D	SUPPØRT TØ PØLICY	ဖ	5,294	2,938	7,714	10,227 U
49	651080	GENERAL SUPPORT FOR NET ASSESSMENT	ယ	3,097	3,721	4,801	5,375 U
20	651090	GENERAL SUPPORT FOR MRA/L	ω	2,335	2,350	2,939	4,404 U
57	010150	TECHNOLOGY TRANSFER FUNCTIONS	ဖ	2,000	2,155	920	1,956 U
	DEFENSE	DEFENSEWIDE MISSION SUPPORT		1	Δ,	59,112	
TOTAL		DEPARTMENT OF DEFENSE (OSD AND GASDS)		29,119	95, 993	1,846,112	3,862,559
						PAGE D-8	

DEFENSE ADVANCED RESEARCH PRØJECTS AGENCY FY 1985 R D T & E PRØGRAM

EXHIBIT R-1

THOUSANDS OF DOLLARS THEM NOMENCLATURE ACT FY 1983 FY 1984 FY 1985 FY 19						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ישונים ו	10000
TECHNICAL STUDIES	JGRA	ΣΙ		!			THOUSANDS	JF DØLLARS
TECHNICAL STUDIES	MEN 1BER	-	ITEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	00 1
TECHNICAL STUDIES THIRD GENERATION DEFENSE TECHNOLOGY THIRD GENERATION DEFENSE TECHNOLOGY STRATEGIC TECHNOLOGY TACTICAL TACTICAL TECHNOLOGY TACTICAL TOOLOGY TACTICAL TECHNOLOGY TACTICAL TECHNOLOGY TACTICAL TECHNOLOGY TACTICAL TECHNOLOGY TACTICAL TECHNOLOGY TACTICAL TECHN	1101	ш	DEFENSE RESEARCH SCIENCES	-	104,258	108,600	102,500	119,300 U
THIRD GENERATION DEFENSE TECHNOLOGY STRATEGIC TECHNOLOGY TACTICAL TACTI	2101	ш	TECHNICAL STUDIES	-	1,000	1,200	1,500	1,800 U
STRATEGIC TECHNOLOGY 1 163,897 205,500 150,700 TACTICAL TECHNOLOGY 1 83,853 99,437 109,000 PARTICLE BEAM TECHOLOGY 1 48,407 33,100 17,400 INTEGRATED COMD/CONTROL TECH 1 244,770 48,000 53,000 EXPERIMENTAL EVAL MAJ INNOVATIVE TECH 1 17,153 23,700 29,200 NUCLEAR MONITORING 1 17,935 16,500 20,500 SLGGY BASE 1 17,535 544,037 483,600 EXP EVAL OF MAJOR INNOVATIVE TECH 2 283,615 204,300 TECHNICAL ANALYTICAL SUPPORT 6 600 55,000 TRI-SERVICE NATL LASER TEST RANGE 6 10,450 11,400 11,430 SEWIDE MISSIGN SUPPORT 6 10,450 26,400 26,400 26,430 SEWIDE MISSIGN SUPPORT 6 11,0650 36,400 26,430 11,430 SEWIDE MISSIGN SUPPORT 6 10,450 11,400 11,430 11,430 SEWIDE MISSIG	2107	ш	THIRD GENERATION DEFENSE TECHNOLOGY	-		8,000		
TACTICAL TECHNOLOGY 1 63,653 99,437 109,000 PARTICLE BEAM TECHOLOGY 1 36,277 35,100 17,400 INTEGRATED COMD/COUNTROL TECH 1 48,407 48,000 53,000 EXPERIMENTAL EVAL MAJ INNOVATIVE TECH 1 17,153 23,700 20,200 NUCLEAR MONITORING 1 17,153 23,700 20,500 SLOGY BASE 1 17,550 544,037 483,600 EXP EVAL OF MAJOR INNOVATIVE TECH 2 544,037 483,600 EXP EVAL OF MALL BUSINGS 6 600 26,430 TECHNICAL ANALYTICAL SUPPORT 6 10,450 11,400 TRI-SERVICE NATL LASER TEST RANGE 6 25,000 26,430 MGT HQ (RESEARCH/DEVELOPMENT) 6 11,400 11,400 MGT HQ (RESEARCH PROJECTS AGENCY 66 26,430 26,430 SEWIDE MISSION SUPPORT 728,600 864,052 714,530	30	ш	STRATEGIC TECHNOLØGY	-	163,897	205,500	150,700	249, 700 U
PARTICLE BEAM TECHOLOGY 1 36,277 33,100 17,400	270	ZE ZE	TACTICAL TECHNÖLÖGY	-	83,853	99,437	109,000	131,000 U
INTEGRATED COMD/CONTROL TECH	.02	7E	PARTICLE BEAM TECHOLOGY	-	36,277	33,100	17,400	32,400 U
EXPERIMENTAL EVAL MAJ INNOVATIVE TECH 1 17,153 23,700 29,200 MATERIALS PROCESSING TECH 1 17,153 23,700 29,200 NUCLEAR MONITORING NUCLEAR MONITORING NUCLEAR MONITORING EXPENSE EX	270	9E	INTEGRATED COMD/CONTROL TECH	-	48,407	48,000	53,000	57,400 U
MATERIALS PROCESSING TECH NUCLEAR MONITORING	271	百	EXPERIMENTAL EVAL MAJ INNOVATIVE TECH	-	244,770			5
NUCLEAR MONITORING	17:	2E	MATERIALS PROCESSING TECH	-	17,153	23,700	29,200	37,100 U
EXP EVAL OF MAJOR INNOVATIVE TECH 2 717,550 544,037 483,800 6 EXP EVAL OF MAJOR INNOVATIVE TECH 2 283,615 204,300 2 TECHNICAL ANALYTICAL SUPPORT 6 600 15,000 15,000 SMALL BUSINESS INNOVATIVE RESEARCH 6 10,450 11,400 11,430 TRI-SERVICE NATL LASER TEST RANGE 6 10,450 11,400 11,430 MGT HQ (RESEARCH/DEVELOPMENT) 6 10,450 11,400 11,430 SEWIDE MISSIGN SUPPORT 11,050 36,400 26,430 SE ADVANCED RESEARCH PROJECTS AGENCY 728,600 864,052 714,530 8	171	4E	NUCLEAR MONITORING	-	17,935	16,500	20,500	26.400 U
EXP EVAL OF MAJOR INNOVATIVE TECH 2 283,615 204,300 2 TECHNICAL ANALYTICAL SUPPORT 6 600 15,000 15,000 15,000 SMALL BUSINESS INNOVATIVE RESEARCH 6 10,450 11,400 11,430 11,430 11,430 11,430 26,430 11,430 <td>Ē</td> <td>HVO</td> <td>.dGY BASE</td> <td></td> <td>717,550</td> <td></td> <td>4</td> <td>655,100</td>	Ē	HVO	.dGY BASE		717,550		4	655,100
TECHNICAL ANALYTICAL SUPPORT 6 600 15,000 SMALL BUSINESS INNOVATIVE RESEARCH 6 25,000 11,430 TRI-SERVICE NATL LASER TEST RANGE 6 10,450 11,400 11,430 MGT HQ (RESEARCH/DEVELOPMENT) 6 11,050 36,400 26,430 SEWIDE MISSIGN SUPPORT 728,600 864,052 714,530 8	122	B		Ø		283,615	204,300	200,000 U
SMALL BUSINESS INNØVATIVE RESEARCH 6 600 25,000 TRI-SERVICE NATL LASER TEST RANGE 6 10,450 11,400 11,430 11,430 26,430 2	11	2E	TECHNICAL ANALYTICAL SUPPORT	9			15,000	20,000 U
TRI-SERVICE NATL LASER TEST RANGE 6 10,450 11,400 11,430 11,430 11,430 11,430 11,430 11,430 11,430 26,430 26,430 26,430 11,050 864,052 714,530 8	550	2E	SMALL BUSINESS INNOVATIVE RESEARCH	ဖ	009			
MGT HQ (RESEARCH/DEVELOPMENT) 6 10,450 11,430 SEWIDE MISSIGN SUPPORT 26,430 26,430 SE ADVANCED RESEARCH PROJECTS AGENCY 728,600 864,052 714,530 8	980	SE	TRI-SERVICE NATL LASER TEST RANGE	ω		25,000		· ⊃
11,050 36,400 26,430 728,600 864,052 714,530 8	88	8E	MGT HQ (RESEARCH/DEVELØPMENT)	ဖ	10,450	11,400	11,430	11,812 U
728,600 864,052 714,530 PAGE D-9	EF	ENS	WIDE MISSIGN SUPPORT		11,050	36,400	26,430	31,812
PAGE	ĒFE	ISNS	: ADVANCED RESEARCH PROJECTS AGENCY		728,600	864,052	714, 530	886, 912
					7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Q.		

NATIONAL SECURITY AGENCY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984 THOUSANDS OF DOLLARS

FY 1986 C

FY 1985

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

FY 1984 FY 1983 ACT IO. Ŋ Ю D 35885G TACTICAL CRYPTGLØGIC ACTIVITIES I TEM NOMENCLATURE INTELLIGENCE AND COMMUNICATIONS COMMUNICATIONS SECURITY CRYPTOLOGIC ACTIVITIES 35167G COMPUTER SECURITY PROGRAM LINE ELEMENT NG NUMBER 310116 334016 30 35 40 42

TOTAL NATIONAL SECURITY AGENCY

PAGE D-10

DEFENSE NUCLEAR AGENCY FY 1985 R D T & E PRØGRAM

GPMENT TEST & EVAL DEF AGENCIES ATURE ACT 1 314,000 314,000	ST & EVAL
	0400 D RESEARCH DEVELORITEM NOMENCLORITEM NOMENCLORITEM NOMENCY NUCLEAR AGENCY

DEFENSE RECONNAISSANCE SUPPORT PROGRAM FY 1985 R D T & E PROGRAM

	FY 1885	ארטטאאין אין ושפט א וואטטאאין			CALLES IN THE
APPRGPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EV	TEST & EVAL DEF AGENCIES			DAIE: U	DAIE: OI FEB 1864
I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	2	FY 1986 C
DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	71ES 5	124,120	318,186	380,713	
TOTAL DEFENSE RECONNAISSANCE SUPPORT PROGRAM		124,120	318, 186	380,713	1

UNCLASSIFIED

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DEFENSE COMMUNICATIONS AGENCY FY 1985 R D T & E PROGRAM

			FY 1985	R D T & E PROGRAM	AM	Ē	EXHIBIT R-1
APPR	RØPRIATIØN: 04	APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL	L DEF AGENCIES	ES		DATE: 01	1 FEB 1984
			;			THOUSANDS	OF DOLLARS
LINE NG NG	ELEMENT NUMBER	ITEM NOMENCLATURE	ACT		FY 198	FY 1985	FY 1986 C
20	35108K	COMMAND AND CONTROL RESEARCH	81		1,882	2,011	2,443 U
2	63735K	WWMCCS ARCHITECTURE	က	1,262	1,227		
22	32016K	NMCS-WIDE SUPPORT	က	8,490	15,317	12,064	U 608,6
23	32017K	WWMCCS ADP-JTSA	ო	22,861	7,868	1,530	ם
24	32019K	WWMCCS SYSTEM ENGINEER	ဗ	42,503	39,452	30,637	28,994 U
25	33131K	MINIMUM ESSENTIAL EMER COMM NETWORK	က		12,613	15,213	15,905 U
	STRATE	STRATEGIC PROGRAMS		84,961	76,477	59,444	54,702
56	21135K	CINC C2 INITIATIVES	4	200	2,060	2,134	2,123 U
33	33126K	LGNG-HAUL COMMUNICATIONS (DCS)	ល	19,424	20,866	9,937	10,192 U
34	33127K	SUPPORT OF THE NCS	ស	4,490	3,119	8,244	4,622 U
	INTELL	INTELLIGENCE AND COMMUNICATIONS		23,914	23,985	18,181	14,814
TØTAL		DEFENSE COMMUNICATIONS AGENCY		109,575	104,404	81,770	74,082
			Z	CO TO	α.	PAGE D-13	

DEFENSE INTELLIGENCE AGENCY FY 1985 R D T & E PROGRAM

EXHIBIT R-1

DATE: 01 FEB 1984 APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

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31	31301L	GENERAL DEFENSE INTELLIGENCE PROGRAM	гo				
32	31398L	MANAGEMENT HEADQUARTERS GDIP	ın	233	939		>
37	35140L	EMERGENCY PREPAREDNESS	ın		.009	3,950	783 U
4	35884L	INTEL PLAN AND REVIEW ACTYS	ın				
	INTELL	INTELLIGENCE AND COMMUNICATIONS					

TOTAL DEFENSE INTELLIGENCE AGENCY

PAGE D-14

DEFENSE LOGISTICS AGENCY FY 1985 R D T & E PROGRAM

	Y 1985 R	FY 1985 R D T & E PROGRAM	EXHIBIT R-1
APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES	EF AGENCIES		DATE: 01 FEB 1984

63705S MANUFACTURING TECHNOLOGY 6 65801S DEFENSE TECHNICAL INFO CENTER 6 16,000 16,235 18 65802S INFORMATION ANALYSIS CENTERS 6 4,000 4,315 4 DEFENSEWIDE MISSION SUPPORT 20,000 21,550 26	6 16,000 1 20,000 2
6 16,000 1 6 4,000	6 16,000 1 20,000 2 20,000 2
6 4,000 4,315 20,000 21,550	6 4,000 4,315 20,000 21,550 20,000 21,550
	21,550

UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES FY 1985 R D T & E PROGRAM

EXHIBIT R-1 DATE: 01 FEB 1984 APPRÖPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

	PROGRAM		1	11 11 11 11 11 11 11 11 11 11 11 11 11		THOUSANDS	THOUSANDS OF DOLLARS
LI NE	LINE ELEMENT	I TEM NOMENCLATURE	ACT	FY 1983	FY 1984	FY 1985	FY 1986 C
N	61101W	61101W IN-HÖUSE LAB INDEPENDENT RESEARCH	-	1,800	1,767	1,874	1,991 ປ
TOTA	L UNIFOR	TOTAL UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES	,	1,800	1,767	1,874	1,991
						PAGE D-16	

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